SUBJECT INDEX VOLUME 63

Abdominal aorta, blunt injury, pediatric, 1383
Abdominal trauma blunt
  perforated Meckel's diverticulum, child, 1167
  ruptured ovarian cystic teratoma after, E27
  open, fluconazole bioavailability, 159
Abdominal wall, gunshot wound, reconstruction with latissimus dorsi free flap, 691
Achilles tendon-bone allograft, reconstruction, patellar tendon, 211
Acidosis, taser discharge, swine model, 581
Acute lower extremity compartment syndrome (ALECS), screening protocol, 268
Acute respiratory distress syndrome (ARDS)
  elderly patients, outcomes, 344
  late, incidence of, 1
  neutrophil apoptosis, alveolar IL-10 regulation, 733
Adhesion molecules, expression, ethanol effects, leukocyte surface, 770
Adolescents, femoral shaft fractures, tibial nailing for, 424
Age, quality of life and, severely injured patients, 670
Airway
  diathermy-induced fire, prevention during open tracheostomy, 228
  management, trauma intubation, protocol-driven approach, 955
Alcohol use
  intestinal epithelial cell modulation, effects on neutrophil inflammatory potential, 1223
  intoxication, traumatic brain injury patients, 365
  testing for, perceptions and realities, 1370
All-terrain vehicle
  crash factors, injuries, regional trauma center, 994
  safety and use patterns, S4
American Society of Anesthesiologists Physical Status (ASA-PS), pre-injury classification, predictor of mortality, 972
Aminoguanidine, bacterial translocation, after gut ischemia-reperfusion, 603
Amputation
  military trauma surgery, 940
  upper extremity, hay baler injuries, 62
Analgesia
  early, fentanyl-based pain management, trauma patients, 819
  sedation and, during mechanical ventilation, guidelines, 945
Androstenetriol, survival improvement, severe trauma hemorrhage shock model, 662
Angiography
  diagnosis, blunt vertebral artery injury, 1249
  maxillofacial trauma, bleeding from maxillary arteries, 933
  nonoperative management and, blunt splenic trauma, 44
  pelvic, epidemiology of pelvic ring fractures, 1066
  splenic pseudoaneurysm, embolization in, 615
  transfemoral carotid, renal laceration, 448
Ankle, traumatic dislocation and fibular bone loss, functional restoration, E22
Ankylosing spondylitis, cervical fracture induced by chiropractics, fixation, E90
Antibiotics
  determination of therapy, sputum gram stain, VAP, 962
  rotation protocol, use in surgical ICU, 307
  ventilator-associated pneumonia, repeat bronchoalveolar lavage and, 1329
Anticoagulation therapy. *see also* Coagulopathy; Warfarin
  adverse outcomes after TBI and, elderly patients, 525
  intracranial hemorrhage and, after falls, elderly patients, 519
Aortic injury, thoracic, screening based on crash characteristics, 18
Apoptosis
  hemorrhagic shock, controlled fluid resuscitation for, 798
  hind-limb ischemia, preconditioning prevention of, 788
  histidine inhibition of, Ringer's lactate, 565
  neutrophil, alveolar interleukin-10 and, trauma patients, 733
Aprotinin, ischemic-reperfusion injuries, brain, after hemorrhagic shock, 373
Arginase, red blood cell arginine depletion, 1108
Arginine, red blood-cell associated depletion, arginase mediation of, 1108
Arteriovenous fistula, upper extremity, after distal radius fracture, E30
Arthroplasty, femoral neck fractures, technical considerations, 641
Atlantoaxial instability, odontoid fractures, elderly patients, 83
Auto-pedestrian crashes, right renal vein avulsion, 432
Autopsy
  CT for trauma detection, forensic testimony, 625
  postmortem CT, cause of death in trauma patients, 979

Baroreceptors, preserving cardiac output, resuscitation from hemorrhage, 26
Base deficit, mortality measurement and, redefinition of hypotension, 291
Battlefield trauma, major limb amputation, 940
β-Blockers, therapy in TBI, heart rate variability and, 503
Behind armor blunt trauma (BABT), EEG and physiologic parameter after, 405
Biliary obstruction, bullet wound, exploration and reconstruction, E116
β_2-Integrin, expression, ethanol effects, leukocyte surface, 770
Bioavailability, fluconazole, open abdominal trauma, 159
Biomechanics, expandable nail, fixation of midshaft fractures, 103
Bladder trauma, blunt, laparoscopy and management, 1165
Blade plate, custom, tibiotalar arthrodesis with, 1279
Bleeding
  abdominal insufflation for control, severe splenic injury, 285
  after TBI, hypoperfusion and protein C pathway role in, 1254
  hemostatic agent QuikClot effects, granular and bagged formulation comparison, 775
  maxillary arteries, maxillofacial trauma, 933
  thymic, after blunt chest trauma, child, E51
Blood brain barrier, protection from cytokines, animal femur fracture model, 591
Blood pressure, systolic, redefinition of hypotension, 291
Blood products, ratio, in massive transfusions at a combat hospital, 805
Blood substitutes, resuscitation, after uncontrolled hemorrhage, 1234
Blood transfusion
  arginase effects, red blood cell arginine depletion, 1108
  conservative practice, decreasing incidence of ARDS and, 1
  ratio of blood products in, mortality and, combat support hospital, 805
Bone graft
  autologous platelet gel, for recalcitrant nonunions, 655
  use of calcium-based DBM, results and complications, 1324
Bone marrow, hematopoietic progenitor cells, mobilization to site of injury, 596
Booster seat. *see also* Child safety seat
  Alabama children, S5
  belt-positioning, interventions, parents with low education, S29
Brachial plexus
  injury, associated scapulothoracic dissociation, 1021
  palsy, secondary to clavicular nonunion, E105
Brain infarction, camel bite, 1423
Brain injury. *see* Traumatic brain injury (TBI)
Brain lobectomy, for severe head injuries, 1010
Bronchoalveolar lavage (BAL), guide for antibiotic duration, ventilator-associated pneumonia, 1329
B-type natriuretic peptide, trauma patients, without congestive heart failure, 747
Burns. *see* Thermal injury

SUBJECT INDEX VOLUME 63

Abdominal aorta, blunt injury, pediatric, 1383
Abdominal trauma blunt
  perforated Meckel's diverticulum, child, 1167
  ruptured ovarian cystic teratoma after, E27
  open, fluconazole bioavailability, 159
Abdominal wall, gunshot wound, reconstruction with latissimus dorsi free flap, 691
Achilles tendon-bone allograft, reconstruction, patellar tendon, 211
Acidosis, taser discharge, swine model, 581
Acute lower extremity compartment syndrome (ALECS), screening protocol, 268
Acute respiratory distress syndrome (ARDS)
  elderly patients, outcomes, 344
  late, incidence of, 1
  neutrophil apoptosis, alveolar IL-10 regulation, 733
Adhesion molecules, expression, ethanol effects, leukocyte surface, 770
Adolescents, femoral shaft fractures, tibial nailing for, 424
Age, quality of life and, severely injured patients, 670
Airway
  diathermy-induced fire, prevention during open tracheostomy, 228
  management, trauma intubation, protocol-driven approach, 955
Alcohol use
  intestinal epithelial cell modulation, effects on neutrophil inflammatory potential, 1223
  intoxication, traumatic brain injury patients, 365
  testing for, perceptions and realities, 1370
All-terrain vehicle
  crash factors, injuries, regional trauma center, 994
  safety and use patterns, S4
American Society of Anesthesiologists Physical Status (ASA-PS), pre-injury classification, predictor of mortality, 972
Aminoguanidine, bacterial translocation, after gut ischemia-reperfusion, 603
Amputation
  military trauma surgery, 940
  upper extremity, hay baler injuries, 62
Analgesia
  early, fentanyl-based pain management, trauma patients, 819
  sedation and, during mechanical ventilation, guidelines, 945
Androstenetriol, survival improvement, severe trauma hemorrhage shock model, 662
Angiography
  diagnosis, blunt vertebral artery injury, 1249
  maxillofacial trauma, bleeding from maxillary arteries, 933
  nonoperative management and, blunt splenic trauma, 44
  pelvic, epidemiology of pelvic ring fractures, 1066
  splenic pseudoaneurysm, embolization in, 615
  transfemoral carotid, renal laceration, 448
Ankle, traumatic dislocation and fibular bone loss, functional restoration, E22
Ankylosing spondylitis, cervical fracture induced by chiropractics, fixation, E90
Antibiotics
  determination of therapy, sputum gram stain, VAP, 962
  rotation protocol, use in surgical ICU, 307
  ventilator-associated pneumonia, repeat bronchoalveolar lavage and, 1329
Anticoagulation therapy. *see also* Coagulopathy; Warfarin
  adverse outcomes after TBI and, elderly patients, 525
  intracranial hemorrhage and, after falls, elderly patients, 519
Aortic injury, thoracic, screening based on crash characteristics, 18
Apoptosis
  hemorrhagic shock, controlled fluid resuscitation for, 798
  hind-limb ischemia, preconditioning prevention of, 788
  histidine inhibition of, Ringer's lactate, 565
  neutrophil, alveolar interleukin-10 and, trauma patients, 733
Aprotinin, ischemic-reperfusion injuries, brain, after hemorrhagic shock, 373
Arginase, red blood cell arginine depletion, 1108
Arginine, red blood-cell associated depletion, arginase mediation of, 1108
Arteriovenous fistula, upper extremity, after distal radius fracture, E30
Arthroplasty, femoral neck fractures, technical considerations, 641
Atlantoaxial instability, odontoid fractures, elderly patients, 83
Auto-pedestrian crashes, right renal vein avulsion, 432
Autopsy
  CT for trauma detection, forensic testimony, 625
  postmortem CT, cause of death in trauma patients, 979

Baroreceptors, preserving cardiac output, resuscitation from hemorrhage, 26
Base deficit, mortality measurement and, redefinition of hypotension, 291
Battlefield trauma, major limb amputation, 940
β-Blockers, therapy in TBI, heart rate variability and, 503
Behind armor blunt trauma (BABT), EEG and physiologic parameter after, 405
Biliary obstruction, bullet wound, exploration and reconstruction, E116
β_2-Integrin, expression, ethanol effects, leukocyte surface, 770
Bioavailability, fluconazole, open abdominal trauma, 159
Biomechanics, expandable nail, fixation of midshaft fractures, 103
Bladder trauma, blunt, laparoscopy and management, 1165
Blade plate, custom, tibiotalar arthrodesis with, 1279
Bleeding
  abdominal insufflation for control, severe splenic injury, 285
  after TBI, hypoperfusion and protein C pathway role in, 1254
  hemostatic agent QuikClot effects, granular and bagged formulation comparison, 775
  maxillary arteries, maxillofacial trauma, 933
  thymic, after blunt chest trauma, child, E51
Blood brain barrier, protection from cytokines, animal femur fracture model, 591
Blood pressure, systolic, redefinition of hypotension, 291
Blood products, ratio, in massive transfusions at a combat hospital, 805
Blood substitutes, resuscitation, after uncontrolled hemorrhage, 1234
Blood transfusion
  arginase effects, red blood cell arginine depletion, 1108
  conservative practice, decreasing incidence of ARDS and, 1
  ratio of blood products in, mortality and, combat support hospital, 805
Bone graft
  autologous platelet gel, for recalcitrant nonunions, 655
  use of calcium-based DBM, results and complications, 1324
Bone marrow, hematopoietic progenitor cells, mobilization to site of injury, 596
Booster seat. *see also* Child safety seat
  Alabama children, S5
  belt-positioning, interventions, parents with low education, S29
Brachial plexus
  injury, associated scapulothoracic dissociation, 1021
  palsy, secondary to clavicular nonunion, E105
Brain infarction, camel bite, 1423
Brain injury. *see* Traumatic brain injury (TBI)
Brain lobectomy, for severe head injuries, 1010
Bronchoalveolar lavage (BAL), guide for antibiotic duration, ventilator-associated pneumonia, 1329
B-type natriuretic peptide, trauma patients, without congestive heart failure, 747
Burns. *see* Thermal injury

Caco2, ethanol exposure, PMN inflammatory potential, 1223
Call system, trauma specialists, level I and II trauma centers, 676
Capsazepine, during resuscitation, hemorrhagic shock, 26
Carbon dioxide, prevention of diathermy-induced fire, during open tracheostomy, 228
Carboxyhemoglobin, bedside continuous co-oximetry, 1187
Cardiac coupling, reduced heart rate variability and, in TBI, 503
Cardiac output, brain death, management of organ donor, 1032
Cardiac rupture, blunt traumatic, survival of elderly patients, E119
Cardiac tamponade, recurrent posttraumatic, hypothyroidism and, E124
Carotid artery, rupture, concurrent coronary dissection, after blunt chest trauma, E69
Carotid cavernous fistula, traumatic, basilar skull fracture and, 1014
Central venous catheter, placement, chest x-ray *versus* clinician judgment, 50
Cerebral fat emboli syndrome, multiply injured patients, 1395
Cerebral oxygenation, prostacyclin therapy, acute lung injury, 1155
Cerebral saccular aneurysm, after head injury, E47
Certified nurse practitioner (CRNP), trauma, importance in discharge rounds, 339
Cervical collar
  discontinuation, CT evaluation, multiply injured patients, 630
  range-of-motion restriction, craniofacial tissue-interface pressure and, 1120
Cervical emphysema, with mandibular fracture, 924
Cervical spine
  big cat attack, letter, 720
  fracture (*see* Fractures)
  injury detection, MRI as adjunct for, 637
  multiplanar injuries, side impact crashes, 1296
  obtunded blunt trauma patients
    CT for evaluation, 630
    MRI clearing of, 544
  odontoid fractures, elderly patients, 83
Chemiluminescence, isolated head injury, pediatric trauma, 179
Chest trauma. *see* Thoracic trauma
Children. *see also* Pediatric trauma
  observational research in, ethics of, S146
Children's hospitals, *versus* adult hospitals
  comparing processes, S96
  outcomes from trauma care, S87
Child safety seat. *see also* Booster seat
  belt-positioning booster seats, interventions, parents with low education, S29
  inspection, S5
Chiropractics, spinal manipulation, cervical fracture induced by, fixation of, E90
Chylopericardium, traumatic, E13
Clinical judgment, chest x-ray *versus*, central line placement, 50
Coagulopathy. *see also* Anticoagulation; Warfarin
  after TBI, hypoperfusion and protein C pathway role in, 1254
  massive transfusions, ratio of blood products and mortality, combat care, 805
  rFVIIa effects, blood at hypothermic temperatures, 1079
  with SIRS, severity markers, 1093
  with traumatic intracranial bleeding, role of rFVIIa, 725
Colorectal injuries, personal watercraft, 1161
Combat casualty care
  head, face, and neck injuries, Operation Iraqi Freedom II, 836
  massive transfusions, ratio of blood products and mortality, 805
  new hemostatic agent, extremity arterial hemorrhage, 276
Compartment pressure, trauma patients, screening protocol for ALECS, 268
Compartment syndrome, medial tibial plateau fracture, classification, 1418
Complications
  central line placement, chest x-ray *versus* clinical judgment, 50
  postinjury, molecular analysis of inflammatory markers, 147
  use of TPM, in trauma ICU, 1215
Computed tomography (CT)
  abdominal and chest, value after conventional radiography, 757
  cervical spine, obtunded patients with blunt trauma, 630
  comma sign, head trauma, 195
  drainage, duodenal hematoma after trauma, E10
  early follow-up, TBI with intracranial hemorrhage, 75
  epidural hematoma, acute posterior fossa isodense, 417
  heart rate variability index, trauma patients, 33
  Iso-C3D, use in tibial plateau fractures, 238
  penetrating diaphragm injury, 538
  postmortem, cause of death in trauma patients, 979
  stabilization, chronic sacroiliac pain, 90
  thoracolumbar, multidetector in ED, 721
  thoracolumbar spine fracture, practice management guidelines, 709
  thoracolumbar transverse process fractures, use of physical therapy, 1292
  trauma detection, forensic testimony, 625
Congestive heart failure, B-type natriuretic peptide levels, after severe trauma, 747
Co-oximetry, bedside, carboxyhemoglobin monitored by, 1187
Cost analysis
  national injury expenditure, hospitalizations in children, S10
  outcomes and, pediatric trauma, S54
  pediatric TBI, technologic change in, S113
Craniofacial injury
  fall accidents, children, 70
  intractable oronasal hemorrhage, transarterial embolization for, 827
Craniomaxillofacial injury, concomitant injuries, 831
Crash Injury Research and Engineering Network (CIREN)
  delta V, PDOF and restraint, mortality and, 1000
  safety belt impact, liver injuries, 300
Creatine phosphokinase (CPK), perioperative, after elective hip surgery, 388
Creatinine, renal dysfunction, complication of trauma, 1193
Critical care
  central line placement, chest x-ray *versus* clinical judgment, 50
  intermittent *versus* continuous gastric feed, randomized control trial, 57
  open abdomen, fluconazole bioavailability, 159
Critical illness
  glycemic control in, 703
  sleep quality and quantity, surgical ICU patients, 1210
Cryptococcosis, disseminated, presented as necrotizing fasciitis, E44
Cytokines
  blood brain barrier protection, animal femur fracture model, 591
  helper T-cell response and, trauma and burn patients, 1407
  molecular analysis of, risk of postinjury complications and, 147

Damage control surgery, before organ harvesting, 455
Deep vein thrombosis (DVT), incidence and screening, trauma patients, 1132
Demineralized bone matrix (DBM), calcium-based, for nonunions and reconstruction, 1324
Developing country, hospital-based trauma registry, Haiti, 1143
Dialysis, surgical patients, acute renal failure despite new modes of replacement therapy, 987
Diaphragm injury, CT detection of, 538
Disaster
  public health, alternate site surge capacity, 253
  resource-constrained triage method, victims of penetrating injury, 316
Discharge rounds, multidisciplinary, importance of trauma nurse practitioner, 339
Driving program, for teen drivers, S4
Drug abuse
  methamphetamine, impact on trauma centers, 531
  testing for, trauma patients, perceptions and realities, 1370
Drug administration schedule, antibiotics, BAL for guidance, in pneumonia, 1329
Duodenal injury
  penetrating, 451, 452
  pyloric exclusion, effects on clinical outcome, 720

Eastern Association for the Surgery of Trauma, abstracts, 1426
Echocardiography, B-type natriuretic peptide levels, after severe trauma, 747
Elderly patients
  ARDS outcomes in, 344

blunt trauma hospital deaths, impact of premorbid conditions, 135
blunt traumatic cardiac rupture, survival, E119
fall injury prevention, recruitment strategies for, 142
falls, discharge location after hospitalization, 902
hip fractures, admission to trauma centers, outcome and, 1348
intracranial hemorrhage after TBI
anticoagulation and, 519
degree of anticoagulation effects, 525
odontoid fractures, dorsal fusion, 83
Takotsubo syndrome with blunt trauma, 696
Electrocardiography (ECG, EKG)
heart rate variability index, trauma patients, 33
prehospital RRI complexity, mortality and, 512
taser discharge, swine model, 581
Electroencephalography (EEG), physiologic parameters and, after BABT, 405
Electromuscular incapacitation, taser discharge, swine model, 581
Embolization
selective, pudendal artery-urethral fistula, 1388
splenic, new or persistent pseudoaneurysm, 615
splenic rupture after, laparoscopic splenectomy, 687
transarterial, for intractable oronasal hemorrhage, craniofacial trauma, 827
Emergency department (ED)
GCS scores, agreement with prehospital score in TBI patients, 1026
length of stay, risk factor for pneumonia and, 9
nontertiary hospital, transfer of patients for higher level of care, 965
quality of care, effects on pediatric outcomes, S136
thoracotomy, prehospital procedures before, 113
Emergency medical services
alternate site surge capacity, public health disaster management, 253
EMT certification, all prehospital personnel, 914
helicopter services, impact on on-scene times, 258
intubation, protocol-driven approach, 955
Emergency medical technician (EMT), certification, all prehospital personnel, Mexico, 914
Emphysematous pyelonephritis, image of trauma, 719
Endobronchial blocker, wire-guided, management of pulmonary hemorrhage, E127
Endoclipping, esophageal, treatment for perforations, 1173
Endotoxin, response, toll-like receptor 2 and 4 expression after trauma, 740
Endovascular surgery, hybrid procedures, management of subclavian artery injuries, E107
Enteral feeding, intermittent *versus* continuous
gastric feed, critically ill trauma patients, 57
Epidemiology, pelvic ring fractures, 1066
Epidural hematoma
acute posterior fossa isodense, CT, 417
concurrent subdural hematoma, CT comma sign in head trauma, 195
nonoperative management, lesions of 1 cm or less, 370
Erectile dysfunction, after pelvic fracture, 394
Esophageal trauma
intra-abdominal, stab wound to left flank, 927
perspectives and treatment, 1173
Ethanol
β_2-integrin expression and, leukocyte surface, 770
intestinal epithelial cell modulation, effects on neutrophil inflammatory potential, 1223
Ethics, observational research in children, S146
Ethnic disparities
TBI, long-term functional outcome, 1263, 1364
trauma care, 1138
Evidence-based medicine, information technology, 1195
Expanded polytetrafluoroethylene patch, repair of GI perforation, 929
Exsanguinations, splenic trauma, abdominal insufflation for, 285
Extensor pollicis longus, rupture, after fracture fixation, 1169
Extracorporeal membrane oxygenation, management of cardiac contusion, pediatric, 1380
Extreme sports, kite surfing, dangers, E76

Fall injuries
craniofacial trauma, children, 70
hospitalization, discharge location, elderly patients, 902
intracranial hemorrhage, long-term anticoagulation and, elderly patients, 519
prevention programs, recruitment strategies for, 142
Farm injuries, upper extremity, hay baler, 62
Fat embolism syndrome, with fractures, 429
Femoral shaft
aseptic nonunion, exchange nailing for, 859
fractures, plating of, 1061
Femur, recalcitrant nonunion, bone graft with autologous platelet gel, 655
Fentanyl, pain management protocol, early anesthesia in adult trauma patients, 819
Fillers, resorbable, stress risers from screw holes, 647
Fixation
anterior and posterior, cervical fracture induced by spinal manipulation, E90
dynamic hip screw, penetration during removal, E105
external, complex fractures of tibial plateau, 1043
internal
biomechanics of expandable nails, 103
femoral neck fractures, 641
preshaped interlocking plate, proximal humerus, 1314
versus submuscular, femoral shaft fractures, 1061
Mennen plate system, clavicular fractures, 951
pelvic, epidemiology of pelvic ring fractures, 1066
radius and ulna fracture, extensor pollicis longus rupture after, 1169
rib fracture, angle stable plate, 1159
Flap, reverse posterior interosseous, for spaghetti wrist, 402
Fluconazole, bioavailability, open abdominal trauma, 159
Focused assessment with sonography for trauma (FAST), left ventricle injury, 414
Forensic testimony, CT, reliable for trauma detection, 625
Fractures
basilar skull, traumatic carotid cavernous fistula and, 1014
bent femoral nail, broken interlocking screw and, removal, 435
blood brain barrier protection, systemic cytokines, animal femur model, 591
cervical
anterior and posterior fixation, E90
vertebral artery injury, MRA and angiography diagnosis, 1249
clavicular, displaced comminuted midshaft, fixation, 951
distal humeral, irreducible anterior radial head dislocation, 202
distal radius, arteriovenous fistula of upper extremity after, E30
elbow, pediatric, Heelys, 451
facial, concomitant injuries, 831
femoral shaft
plating of, 1061
tibial nails for, large adolescents, 424
femoral trochanteric, nailing of, 866
healing, simvastatin treatment, 187
hip
operative management, 641
trauma service admissions, elderly patients, 1348
humerus, percutaneous plating of, 205
intrathoracic dislocation, proximal humerus, 920
Kirschner wire, damage caused by, 1171
long-bone, fat embolism syndrome with, 429
lower extremity, nonunion, bone graft with autologous platelet gel, 655
mandibular, pneumomediastinum and cervical emphysema with, 924
medial tibial plateau, classification, 1418
midshaft, biomechanics of expandable nails, 103
neck, brain infarction and, camel bite, 1423
odontoid, elderly patients, 83
pelvic
associated injuries and mortality, UK, 875
epidemiology of, 1066
hemodynamic instability, 453
hemoperitoneum in, abdominal ultrasound, 97
male sexual dysfunction after, 394

unstable, long-term outcome, 884
proximal humerus
internal fixation with preshaped interlocking plate, 1314
intrathoracic dislocation of humeral head and, E37
radius and ulna, extensor pollicis longus rupture after fixation, 1169
refracture, stress risers from screw holes, 647
reverse obliquity intertrochanteric, proximal femoral nail for, 1054
rib, surgical stabilization with angle stable plate, 1159
scapular, blunt trauma, injury severity, 889
spine, early surgical treatment, effect on mortality, 1308
split, mandibular symphysis, E55
subtrochanteric, biologic plating *versus* intramedullary nailing, 1283
thoracolumbar spine, practice management guidelines, 709
thoracolumbar transverse process, physical therapy in, 1292
tibial
deep infection, new scoring system for, 108
healing, response of lymphatic system and, 849
tibial plateau
external circular fixation and limited internal fixation, 1043
intraoperative 3-D imaging, 238
FTY720, survival, transient ischemia and reperfusion, 263
Functional Independent Measure (FIM), modified, obtained from different raters, 1374

Gammahydroxybutyrate, hypermetabolism and wound healing, large thermal injury, rat, 1099
Gastrointestinal tract, perforation, expanded polytetrafluoroethylene patch, 929
Gender differences, outcome after trauma, pediatric cohort, 1127
Geriatrics. *see* Elderly patients
Glasgow Coma Scale (GCS)
Brain Trauma Foundation guidelines, cost-benefit analysis of severe TBI, 1271
oronasal hemorrhage, with craniofacial trauma, embolization for, 827
score agreement, TBI patients, 1026
Glasgow Outcome Scale, quality of life and mortality, age effects in trauma patients, 670
Glucose, hyperglycemic control, critically injured patients, 1353
Glycemic control
critically ill trauma patients, 703
strict, prevention of infectious complications, 487
Gram stain, sputum, determination of antibiotic therapy in VAP, 962
Guidelines
for care of TBI, U. S. trauma centers, 841
sedation and analgesia, during mechanical ventilation, 945
Gunshot wounds
abdominal wall, reconstruction with latissimus dorsi free flap, 691
BB, cardiac injury with embolus to lung, E100
biliary obstruction from, biliary exploration and exploration, E116
high-energy, unstable sacral fracture, pediatric, E95

Hand injuries, soft tissue, optimal plaster conformation, backslabs, 1074
Head injuries
all-terrain vehicles, regional trauma center, 994
brain death, circulatory patterns, management of organ donor, 1032
cerebral saccular aneurysm rupture after, E47
closed, nonoperative management in lesions of 1 cm or less, 370
combat trauma, Operation Iraqi Freedom II, 836
cranio-cerebral, nail guns, E59
CT comma sign, concurrent epidural and subdural hematomas, 195
intracranial hemorrhage, early follow-up CT, 75
isolated, neutrophil function and lymphocyte count, in children, 179
medulla oblongata lesion after, neurogenic pulmonary edema, 700
minor, ruptured pseudoaneurysm after, E40
pontomedullary contusion, locked-in syndrome, 420
severe, brain lobectomy for, 1010
severity scale for, pediatric trauma, 172
Healing, tibial fracture, local lymphatic system response, 849
Health-related quality of life (HRQOL), pediatric, measurement, S122
Heart
BB gun injury, missile embolus to lung and, E100
contusion, management with extracorporeal membrane oxygenation, pediatric, 1380
Heart rate
variability, β-blocker therapy and TBI, 503
variability index, trauma patients, 33
Helicopter emergency medical services (HEMS), impact on on-scene times, 258
Helmet, motorcycle, law repeal, increased fatalities and, 1006
Helper T-cells, response, role of immunomodulation and, trauma and burn patients, 1407
Hematemesis, massive, splenic rupture as cause of, E88
Hematopoietic progenitor cells, mobilize to site of injury, trauma and shock, 596
Hemofiltration
continuous, hyperthermic septic shock patients, 751
surgical patients, acute renal failure despite new modes of replacement therapy, 987
Hemoglobin, drop after injuries, need for early hemorrhage prevention, 312
Hemoglobin-based oxygen carrier, resuscitation with, hemorrhagic shock, 1113
Hemoperitoneum, pelvic fracture, abdominal ultrasound for detection, 97
Hemorrhage
bilateral leg amputation, salvage therapy with rFVIIa, E1
extremity, comparison of hemostatic agents, combat, 276
hemoglobin drop, after injuries, 312
oronasal, with craniofacial trauma, embolization for, 827
pelvic fracture, abdominal ultrasound for detection, 97
presacral, penetrating trauma, 197
uncontrolled
controlled fluid resuscitation in, 798
hemostatic agent effects, 775
MP4 resuscitation after, 1234
Hemorrhagic shock
controlled fluid resuscitation for, 798
hematopoietic progenitor cells, mobilization to site of injury, 596
hypertonic-hyperoncotic infusion, NMRS assessment, 379
ischemic-reperfusion injury after, aprotinin effects, 373
maxillary arteries, maxillofacial trauma, 933
pelvic ring fractures, 1066
resuscitation
beta-adrenergic receptor blockade and, 26
hemoglobin-based oxygen carrier, 1113
traumatic, androstenetriol and survival, 662
volume resuscitability, spectrometric tissue oxygen saturation, 573
Hemostasis
comparison of agents, combat vascular injuries, 276
with recombinant thrombin sheet, in pulmonary arterial hemorrhage, 783
Hemostatic dressing, granular and bagged formulations, comparative efficacy, 775
Hemostatic molecular markers, coagulopathy, with SIRS, 1093
Hepatic allograft, severely traumatized, successful transplantation with, 217
Hepatic vascular exclusion, in complex hepatic vein injury, 684
Hepatic vein, complex injury, vascular isolation in, 684
Hip
fracture (*see* Fractures, hip)
penetration of the dynamic screw, during removal, E105
Histidine, degradation of cells, Ringer's lactate, 565
Home visitor program, low-income community, S3
Homing, hematopoietic progenitor cells, trauma and shock, 596
Hospitalizations
injury-related, children, expenditures, S10
length of stay, CRNP importance in discharge rounds, 339
traumatic fall, discharge locations and, elderly patients, 902
Humerus, proximal, intrathoracic dislocation, 920
Hyperbaric oxygen therapy, air in extradural space after, 961

Hypercoagulopathy, severity markers, SIRS, 1093
Hyperglycemia
control, critically injured patients, 1353
early, multiple organ failure and, 487
in pneumonia, after severe injury, 358
trauma patients, effects on pulmonary response, animal model, 351
Hypermetabolism, wound healing and, gammahydroxybutyrate effects, 1099
Hyperthermia, septic shock and, continuous hemofiltration in, 751
Hypertonic-hyperoncotic resuscitation, renal dysfunction after, NMRS assessment, 379
Hypertonic solution, *vs.* hemoglobin-based oxygen carrier, resuscitation from hemorrhagic shock, 1113
Hypotension, redefinition of, base deficit and mortality measurement, 291
Hypothermia, coagulation properties in, effect of activated rFVIIa, 1079
Hypothyroidism, recurrent posttraumatic cardiac tamponade and, E124
Hypovolemia, intensivist bedside ultrasound, in the ICU, 495
Hypovolemic shock, sonographic measurement of, inferior vena cava during resuscitation, 1245

Imaging
air in extradural space, after hyperbaric oxygen therapy, CT, 961
brain infarction, camel bite, 1423
CT for trauma detection, forensic testimony, 625
magnetic resonance angiography, blunt vertebral artery injury, 1249
magnetic resonance spectroscopy, assessment of renal dysfunction, 379
MRI, cervical spine, adjunct for evaluation, 637
renal laceration, transfemoral carotid angiography, 448
supraclavicular cyanosis, in pericardial tamponade, 244
thoracic trauma, complete bronchial transection, 1192
uremia, rapid evolutional papules in, 449
venous air embolism, pressure infusion devices and, 246
Immunocompetence, splenic injury, red blood cell pit test, 1087
Immunomodulation
androstenetriol, survival in traumatic hemorrhagic shock, 662
helper T-cell response and, trauma and burn patients, 1407
Immunosuppression, arginase effects, red blood cell arginine depletion, 1108
Infection
deep, tibial fractures, new scoring system for, 108
nosocomial
antibiotic rotation protocol and, 307
hyperglycemia and multiple organ failure, 487
P. aeruginosa, burn unit, 164
Inferior vena cava, sonographic measurement, hypovolemic shock, during resuscitation, 1245
Inflammation, neutrophil potential, alcohol effects, intestinal epithelial cells and, 1223
Inflammatory markers, molecular analysis of, risk of postinjury complications and, 147
Injury. *see also* Trauma
concomitant, with panfacial fractures, 831
early pulmonary embolism after, 620
hepatic vein, hepatic vascular isolation, 684
upper extremity, hay baler, 62
Injury patterns, children, national assessment, S68
Injury prevention
community-based intervention, S44
innovations in education, S7
methamphetamine, screening and intervention, trauma centers, 531
pediatric, focus groups for, S6
recruitment strategies, fall prevention programs for elderly patients, 142
surveillance system development, Miami-Dade County, S21
Injury surveillance, developing countries, 1143
Insufflation, abdominal, for bleeding control in splenic injury, 285
Insulin
infusion therapy, pneumonia after severe injury, 358
therapy in trauma, effects on pulmonary response, animal model, 351
Intensive care unit (ICU)
glycemic control, critically ill patients, 703
intensivist bedside ultrasound, for volume assessment, 495
outcome prediction, Dutch trauma centers, 908
pediatric, care quality care factors, S143
pneumonia after severe injury, increased insulin requirements, 358
propofol infusion syndrome, 443
surgical
acute renal failure despite new modes of replacement therapy, 987
antibiotic rotation protocol, 307
patient sleep in, 1210
use of TPN on trauma patients, 1215
Intensivist, pediatric, role in management of trauma, S101
Interleukin-8 (IL-8), changes in adhesion molecule expression, ethanol effects, human whole blood, 770
Interleukin-10 (IL-10), alveolar, regulation of neutrophil apoptosis, trauma patients, 733
Interventions
belt-positioning booster seats, parents with low education, S29
community-based, for injury prevention, S44
school-based, tween passenger safety, S39
Intracranial aneurysm, traumatic, endovascular management, 192
Intracranial hemorrhage
after TBI, degree of anticoagulation effects, elderly patients, 525
coagulopathic patients, role of rFVIIa, 725
long-term anticoagulation and, after falls in elderly patients, 519
TBI patients with, early follow-up CT, 75
traumatic, sepsis after, treatment with recombinant human activated protein C, E34
Intracranial hypertension, refractory, treated with external lumbar drainage, letter, 720
Intracranial pressure, traumatic brain injury, in intoxicated patients, 365
Intraoperative imaging, 3-D, tibial plateau fractures, 238
Intubation, blunt trauma patients, length of ED stay as risk factor for, 9
Intubations, trauma, protocol-driven approach, 955
Ischemia
brain, aprotinin effects, after hemorrhagic shock, 373
tourniquet-induced, preconditioning prevents skeletal muscle tissue injury, 788
transient, FTY720 effects on survival, hind limbs, 263
Ischemia-reperfusion, gut, nitric oxide and gut injury after, 603

Jurkat cells, histidine inhibition of degradation, Ringer's lactate, 565

Kidney
injury, pediatric, nonoperative management, 608
laceration, transfemoral carotid angiography, 448
right renal vein avulsion, auto-pedestrian crash, 432
Kirschner wire, damage caused by, 1171
Knee, dislocation, with vascular injury, LEAP study, 855
Knee injury, medial tibial plateau fracture, classification, 1418

Laparoscopy
blunt bladder trauma, 1165
splenectomy, for rupture after embolization, 687
Laparostomy, open abdominal patients, fluconazole bioavailability, 159
Latissimus dorsi free flap, reconstruction with, abdominal wall gunshot injury, 691
Left ventricular injury, pericardial window with, FAST, 414
Length of stay. *see* Hospitalization
Leukocytes
β_2-integrin expression, ethanol effects, 770
hind-limb ischemia, preconditioning prevention of, 788
Lipopolysaccharides, changes in adhesion molecule expression, ethanol effects, human whole blood, 770
Liver, transplant. *see* Transplantation
Liver packing
perihepatic, central pulmonary artery embolism after, E81
variation of an old technique, 1405
Liver trauma
grade V laceration, intrahepatic portosystemic venous shunt, 1230

impact of safety belt, in motor vehicle crashes, 300
packing for, variations of an old technique, 1405
pediatric, nonoperative management, 608
perihepatic packing because of, central pulmonary artery embolism after, E81
Locked-in syndrome, posttraumatic, pontomedullary contusion, 420
Locking screw, broken, bent femoral nail and, removal, 435
Lower extremity
acute compartment syndrome, screening protocol for, 268
knee dislocation, with vascular injury, LEAP study, 855
Lower Extremity Assessment Project (LEAP), knee dislocations, with vascular injury, 855
Lumbar drainage, external, refractory intracranial hypertension, letter, 720
Lung function, BABT, EEG and physiologic parameter after, 405
Lung injury
acute, protective ventilation and conservative transfusion, 1
aerosolized prostacyclin therapy, improved cerebral oxygenation after, 1155
hematopoietic progenitor cells, mobilization to site of injury, 596
missile embolus, cardiac BB gun injury and, E100
nitric oxide synthase and, after gut ischemia-reperfusion, 603
torsion, complete bronchial transection, 1192
ventilator-associated, incidence of ARDS and, 1
Lymph nodes, response, healing of tibial fractures, 849
Lymphocytes
histidine inhibition of degradation, Ringer's lactate, 565
immunomodulation, trauma and burn patients, 1407
isolated head injury effects on subpopulations, pediatric trauma, 179
Lymphoscintigraphy, tibial fracture healing, local lymphatic system response, 849

Magnetic resonance angiography (MRA), diagnosis, blunt vertebral artery injury, 1249
Magnetic resonance imaging (MRI), cervical spine
adjunct for evaluation, 637
obtunded patients with blunt trauma, 544
Magnetic resonance spectroscopy, assessment of renal dysfunction, after resuscitation, 379
Maleimide-polyethylene glycol hemoglobin (MP4), resuscitation, uncontrolled hemorrhage, 1234
Mandibular symphysis, split fracture, E55
Mass casualty, resource-constrained triage method, victims of penetrating injury, 316
Mathematical modeling, estimation of recovery, after loss of activity, 232
Maxillary artery, injury, bleeding and shock, 933
Maxillofacial trauma, bilateral maxillary arteries, bleeding and shock, 933
Mechanical ventilation. *see* Ventilation
Meckel's diverticulum, perforated, after blunt abdominal trauma, child, 1167
Medical errors
adverse events and survival, pediatric burn care, 814
preventable mortality, mature trauma center, 1338
Medulla oblongata lesion, after head trauma, neurogenic pulmonary edema caused by, 700
Metatarsophalangeal joints, dislocation, horse injury, 938
Methamphetamine, drug abuse and injury, impact on trauma centers, 531
Microcirculation, ischemic preconditioning, skeletal muscle tissue injury and, 788
Midlevel providers, in a level I trauma center, 128
Mortality
adult blunt trauma hospital, impact of premorbid conditions, 135
cause of death, CATopsy prediction of, 979
death prevention, before and after new care system, 331
impact of level III trauma centers, Delaware Trauma System, 121
loss of R-to-R interval complexity, prehospital, mortality and, 512
MV crashes, velocity, force, and restraint use effects, 1000
nontertiary hospital ED, transfer of patients for higher level of care, 965
pelvic fractures, associated injuries and, UK, 875
predictor of, pre-injury ASA physical status classification, 972
preventable, mature trauma center, 1338
pulmonary embolism, after trauma, 620
quality of life and, age in severely injured patients, 670
redefinition of hypotension, base deficit and mortality measurement, 291
trauma center, thoracic aortic injury and, 18
trauma team activation impact on, 326
traumatic spine injuries, early surgical treatment and, 1308
use of TPM, in trauma ICU, 1215
vehicular rates, rural, 1360
Motorcycle accidents, helmet law repeal, increased fatalities and, 1006
Motor vehicle crashes (MVC)
belt-positioning booster seats, interventions, parents with low education, S29
blunt abdominal aortic injury, pediatric, 1383
cerebral fat emboli syndrome, multiply injured patients, 1395
change in velocity, direction of force and restraint use, 1000
characteristics, thoracic aortic injury and, 18
child passenger safety, education, legislation, and service effects, S25
death prevention, before and after new care system, 331
liver injuries, safety belt impact on, 300
mortality rates, rural, 1360
side impact, multiplanar cervical spine injuries, 1296
teen driving program, S4
traumatic cardiac rupture, elderly patients, E119
tween passengers, school-based intervention, S39
venous air embolism, pressure infusion devices, image of trauma, 246
Multiple organ failure, prediction by early hyperglycemia, 487
Multiple trauma
complete absence of pericardium in, E66
helicopter emergency medical services, impact on on-scene times, 258
isolated cerebral fat emboli syndrome case report, 1395
organ donation, damage control surgery before, 455
quality of life after, aging and, 670
scapular fractures, injury severity in, 889
Musculoskeletal injury, prediction of delayed recovery, 894
Myocardial infarction
perioperative, CPK and troponin I after hip surgery, 388
post-traumatic, with left ventricular aneurysm and pericardial effusion, E73

Nailing
bent femoral intramedullary nail, removal of, 435
double-screw nails, femoral trochanteric fractures, 866
exchange, aseptic nonunion of femoral shaft, 859
expandable, biomechanical evaluation, midshaft fractures, 103
gamma nail, reverse obliquity intertrochanteric fractures, 1054
intramedullary, *versus* biologic plating, subtrochanteric fractures, 1283
proximal femoral nail, reverse obliquity intertrochanteric fractures, 1054
tibial, femoral shaft fracture, large adolescents, 424
Necrotizing fasciitis, limb, disseminated cryptococcosis presented as, E44
Needle decompression, thoracic, indications for, 1403
Nephrotoxicity, after fluid therapy, NMRS assessment of, 379
Neurologic injury, unstable pelvic ring fractures, functional outcomes, 884
Neurovascular injury, medial tibial plateau fracture, classification, 1418
Neutrophils
function, insulin therapy in trauma patients, animal model, 351
inflammatory potential, alcohol effects, intestinal epithelial cells and, 1223
isolated head injury effects on count, pediatric trauma, 179
transient ischemia and reperfusion, FTY720 effects on survival, 263
Nitric oxide, lung injury and, after gut ischemia-reperfusion, 603

Nitrotyrosine, as oxidative stress marker, in TBI, 438
Nonlinear analysis, prehospital RRI complexity, mortality and, 512
Nonoperative management
angiography and, blunt splenic trauma, 44
blunt abdominal trauma, pediatric, 608
epidural and subdural hematomas, lesions of 1 cm or less, 370
pulmonary pseudocyst, 1391
splenic pseudoaneurysm, embolization in, 615
Nonunion
clavicular, brachial plexus palsy secondary to, E105
femoral, aseptic, exchange nailing for, 859
recalcitrant, bone graft with autologous platelet gel, 655
use of calcium-based DBM, results and complications, 1324
Nutrition, intermittent *versus* continuous gastric feed, critically ill trauma patients, 57

Observational research, children, ethical considerations, S146
Obstetrics, need for trauma team activation, 550
Obtunded patients, blunt trauma
CT evaluation, 630
MRI clearing of, 544
Operation Iraqi Freedom, head, face, and neck injuries, 836
Operative treatment, odontoid fractures, elderly patients, 83
Ophthalmic artery, intracanalicular aneurysm, endovascular management, 192
Organ donation
damage control surgery in multiply injured donor, 455
management of, head trauma and brain death, 1032
Orthopedic surgery, hip, perioperative CPK and troponin I after, 388
Outcomes
after trauma, gender and sex hormone influences, 1127
ARDS, elderly patients, 344
brachial plexus injury, associated with scapulothoracic dissociation, 1021
brain lobectomy, for severe head injuries, 1010
comparison, children's hospitals *versus* adult hospitals, S87, S96
cost and, pediatric trauma, S54
functional
after pelvic fracture, 394
unstable pelvic ring fractures, 884
Functional Independence Measurement, from different raters, 1374
helicopter emergency medical services, impact on on-scene times, 258
hip fractures, elderly patients admitted to trauma centers, 1348
hyperglycemic control, critically injured patients, 1353
improvement in
injured children, S155
pediatric trauma center, S140
intermittent *versus* continuous gastric feed, critically ill trauma patients, 57
knee dislocations, with vascular injury, LEAP study, 855
long-term functional, TBI, ethnic disparities, 1263, 1364
measurement, children's health-related quality of life, S122
neurologic, nitrotyrosine as oxidative stress marker in TBI, 438
operative management, femoral neck fractures, 641
pediatric trauma, effects of ED quality of care, S136
prediction
adult blunt trauma patients, impact of premorbid conditions, 135
Dutch trauma centers, 908
predictor of mortality, pre-injury ASA physical status classification, 972
preventable mortality, mature trauma center, 1338
pyloric exclusion, penetrating duodenal injury, 720
quality of life and mortality, age effects in trauma patients, 670
relative head injury severity scale, pediatric trauma, 172
Ovarian cystic teratoma, ruptured, after blunt abdominal trauma, E27
Oxidative stress, nitrotyrosine as marker of, in TBI, 438

Pain, sacroiliac joint, CT-guided stabilization, 90
Pain management, fentanyl-based protocol, early anesthesia in adult trauma patients, 819
Pancreas injury, pediatric, nonoperative management, 608
Pancreaticoduodenal injury
penetrating, 451, 452
pyloric exclusion, effects on clinical outcome, 720
Passenger safety
education, legislation, and service effects, Alabama children, S25
tweens, school-based intervention, S39
Patellar tendon, reconstruction, use of Achilles tendon-bone allograft, 211
Patellectomy, failed, reconstruction with Achilles tendon-bone allograft, 211
Pediatric trauma
blunt abdominal
aortic injury, 1383
nonoperative management, 608
perforated Meckel's diverticulum, 1167
blunt chest trauma, mediastinal widening after, E51
burn care, adverse events and survival, 814
cardiac contusion, management with extracorporeal membrane oxygenation, 1380
craniofacial injuries, 70
discussions of presentations, S81, S92, S106, S121, S130, S152
distal humeral fracture, anterior radial head dislocation and, 202
effect of ED care, quality of care and outcomes, S136
elbow fracture, Heelys, letter, 451
gender and sex hormone influences, outcome after trauma, 1127
head injury
neutrophil function and lymphocyte count with, 179
severity scale for, 172
health-related quality of life, measurement of, S122
high-energy gunshot wound, unstable sacral fracture, E95
ICU, factors in quality of care, S143
improving outcomes, S140
injury patterns, national assessment, S68
management, role of pediatric intensivist, S101
national injury-related hospitalizations, expenditures, S10
national study on costs and outcomes, S54
passenger safety, education, legislation, and service effects, S25
prevention, focus groups for, S6
research agenda, S52
TBI, cost analysis of technologic change, S113
toward improving outcomes, S155
unintentional scald burns, S3
Pelvic fractures. *see* Fractures
Pericardial effusion, left ventricular aneurysm and, post-traumatic MI complicated with, E73
Pericardial tamponade, supraclavicular cyanosis in, 244
Pericardium, complete absence, multiple injury patient, E66
Peripheral injury, blood brain barrier protection, systemic cytokines, animal femur model, 591
Personal watercraft, colorectal and vaginal injuries, 1161
Physeal injury, type V, E121
Physical therapy, thoracolumbar transverse process fractures, 1292
Plasma, fresh frozen, ratio of blood products and mortality, combat care, 805
Plaster of Paris, optimal conformation, soft tissue hand trauma, 1074
Plating
biologic, *versus* intramedullary nailing, subtrochanteric fractures, 1283
percutaneous, humerus fractures, 205
submuscular, femoral shaft fractures, 1061
Pneumomediastinum, with mandibular fracture, 924
Pneumonia
after severe injury, increased insulin requirements and, 358
intubated trauma patients, ED length of stay effects, 9
ventilator-associated
antibiotic duration, BAL and, 1329
length of ED stay and, 9
predictive value of sputum gram stain, 962
Pneumothorax
central line placement, chest x-ray *versus* clinical judgment, 50

occult, objective scoring system in trauma patients, 13
Polysomnography, surgical ICU patients, 1210
Pontomedullary contusion, posttraumatic locked-in syndrome, 420
Portosystemic venous shunt, traumatic intrahepatic, grade V liver laceration, 1230
Positive end-expiratory pressure, ARDS, elderly patients, 344
Posttraumatic locked-in syndrome, pontomedullary contusion, 420
Practice management, screening, thoracolumbar spine fracture, 709
Prediction
delayed recovery, after musculoskeletal injury, 894
outcomes in trauma patients, Dutch trauma centers, 908
Pregnancy, trauma in, need for trauma team activation, 550
Prehospital care
alternate site surge capacity, in public health disaster management, 253
before ED thoracotomy, scoop and run, 113
EMT certification, Mexico, effects on care, 914
GCS scores, agreement with ED score in TBI patients, 1026
helicopter emergency medical services, impact on on-scene times, 258
RRI complexity, mortality and, 512
Premorbid conditions, impact on mortality, adult blunt trauma patients, 135
Pressure ulcer, cervical collars, 1120
Principal direction of force (PDOF), delta V and restraint use, MVC mortality and, 1000
Prognostic analysis, carotid cavernous fistula, basilar skull fracture and, 1014
Propofol infusion syndrome (PIS), history of, 443
Propranolol, during resuscitation, hemorrhagic shock, 26
Prostacyclin, aerosolized therapy, acute lung injury, 1155
Protein C
hypoperfusion and, coagulopathy after TBI, 1254
intracranial hemorrhage, sepsis after, E34
Proximal humerus, unstable, fixation with preshaped interlocking plate, 1314
Pseudoaneurysm
ruptured, after minor head trauma, E40
splenic, embolization in, 615
Pseudomonas aeruginosa, nosocomially-acquired infection, burn unit, 164
Public health, disaster management, alternate site surge capacity, 253
Pudendal artery-urethral fistula, posttraumatic, selective embolization, 1388
Pulmonary artery
central embolism, after perihepatic packing for liver trauma, E81
hemorrhage, hemostasis with recombinant thrombin sheet, 783
Pulmonary contusion, BABT, EEG and physiologic parameter after, 405
Pulmonary edema, neurogenic, after head trauma, 700
Pulmonary embolism
early, after trauma, 620
vena cava filter use, in adult trauma patients, 764
Pulmonary hemorrhage, management, wire-guided bronchial blocker, E127
Pulmonary pseudocyst, post-traumatic, nonoperative management, 1391

Quality assessment, preventable mortality, mature trauma center, 1338
Quality assurance, adverse events and survival, pediatric burn care, 814
Quality of care
effects of ED, pediatric trauma, S136
factors, pediatric ICU, S143
incidence and screening for DVT, trauma patients, 1132
Quality of life, health-related, measurement in children, S122

Racial differences. *see* Ethnic disparities
Radial head dislocation, irreducible anterior, with distal humeral fracture, 202
Radiography
chest, for central line placement, 50
value of CT in addition to, abdomen and chest blunt trauma, 757
Range of motion, restriction, cervical collars, 1120
Recombinant factor VIIa (rFVIIa)
effect on coagulation properties, blood at hypothermic temperatures, 1079
role in traumatic intracranial bleeding, coagulopathic patients, 725
salvage therapy with, bilateral leg amputation, E1
Recombinant thrombin sheet, hemostasis using, in pulmonary arterial hemorrhage, 783
Reconstruction, upper extremity, hay baler injuries, 62
Recovery
delayed, prediction of, musculoskeletal injuries, 894
estimation with mathematical model, after loss of activity, 232
Red blood cell pit test, immunocompetence, splenic injury, 1087
Rehabilitation
ethnic disparities, in trauma care, 1138
severe TBI, cost-benefit analysis, Brain Trauma Foundation guidelines, 1271
Renal failure
after fluid therapy, NMRS assessment of, 379
complication in trauma, letter, 1193
critically ill surgical patients, new modes of replacement therapy, 987
mathematical estimation of recovery after, 232
Renal vein, avulsion, repair after auto-pedestrian crash, 432
Reperfusion
brain ischemia, aprotinin effects, after hemorrhagic shock, 373
transient ischemia, FTY720 effects on survival, hind limbs, 263
Replantation, upper extremity, hay baler injuries, 62
Resistance
antibiotic, antibiotic rotation protocol in the surgical ICU, 307
nosocomially-acquired *P. aeruginosa,* burn unit, 164
Respiratory burst, isolated head injury effects, pediatric trauma, 179
Resuscitation
controlled fluid, for hemorrhagic shock, 798
early hemoglobin level, need for early hemorrhage prevention, 312
hemoglobin-based oxygen carrier, hemorrhagic shock, 1113
lung protective ventilation and transfusion practice, incidence of ARDS, 1
MP4, after uncontrolled hemorrhage, 1234
War games, evaluation of trainee performance, 556
Ringer's lactate, degradation of cells in, histidine and, 565

Sacroiliac joint, chronic pain, CT-guided stabilization, 90
Safety belts, impact on liver injuries, in motor vehicle crashes, 300
Safety street program, for children, S4
Scapulothoracic dissociation, association with brachial plexus injury, 1021
Scoring system
occult pneumothorax, trauma patients, 13
occurrence of deep infection, tibial fractures, 108
Screening. *see also* Testing practices
ALECS, critically ill trauma patients, 268
crash characteristics, thoracic aortic injury and, 18
DVT, trauma patients, 1132
heart rate variability index, trauma patients, 33
Sedation, analgesia and, during mechanical ventilation, guidelines, 945
Sepsis
after traumatic intracranial hemorrhage, recombinant human activated protein C treatment, E34
hyperthermia and, continuous hemofiltration in, 751
postinjury, molecular analysis of cytokines and, 147
toll-like receptor 2 and 4 expression, after severe injury, 740
Sex hormones, outcome after trauma, pediatric cohort, 1127
Sexual dysfunction, male, after pelvic fracture, 394
Shock
early hemoglobin level, need for early hemorrhage prevention, 312
neutrophil potential, alcohol effects, intestinal epithelial cells and, 1223
redefinition of hypotension, base deficit and mortality measurement, 291
Side impact, MVC, multiplanar cervical spine injuries in, 1296
Simulation, War games, evaluation of trainee performance, 556

Simvastatin, treatment, fracture healing and, 187
Skeletal muscle, tissue injury, prevention with ischemic preconditioning, 788
Skin defect, coverage with reverse posterior interosseous flap, spaghetti wrist, 402
Sleep, quantity and quality, surgical ICU patients, 1210
Soft tissue trauma
  anterior leg, fasciotomy wounds, 1185
  hand, optimal plaster conformation, backslabs, 1074
Solid organ injury, blunt abdominal trauma, pediatric, 608
Spinal cord injury, prevertebral soft tissue swelling with, 1424
Spine injury
  cervical (*see* Cervical spine)
  early surgical treatment, mortality and, 1308
  thoracolumbar fracture
    multidetector CT, 721
    practice management guidelines, 709
Splenic rupture
  delayed, after embolization, case report, 687
  unusual cause of massive hematemesis, E88
Splenic trauma
  bleeding control, abdominal insufflation for, 285
  blunt, angiography and nonoperative management, 44
  immunocompetence, red blood cell pit test, 1087
  pediatric, nonoperative management, 608
  pseudoaneurysm, embolization in, 615
Statins, treatment, fracture healing and, 187
Sternotomy, median, iatrogenic innominate arteriovenous fistula after, E19
Stress risers, from screw holes, resorbable fillers, 647
Subarachnoid hemorrhage, TBI patients with, early follow-up CT, 75
Subclavian artery injuries, open and endovascular surgical techniques, E107
Subdural hematoma
  concurrent epidural hematoma, CT comma sign in head trauma, 195
  nonoperative management, lesions of 1 cm or less, 370
Supraclavicular cyanosis, in pericardial tamponade, 244
Surge capacity, alternate site, in public health disaster management, 253
Surgical education, evaluation of trainee performance, War games, 556
Surgical history
  amputation, military trauma surgery, 940
  William T. "Billy" Fitts, Jr., 221
Surgical Treatment of Orthopaedic Trauma, book review, 450
Surveillance bias, DVT, trauma patients, 1132
Surveillance system, development, Miami-Dade County, S21
Survival
  hemostatic agent QuikClot effects, granular and bagged formulation comparison, 775
  traumatic hemorrhagic shock, androstenetriol immunomodulation, 662
Systemic inflammatory response, pneumonia, increased insulin requirements and, 358
Systemic inflammatory response syndrome (SIRS), coagulopathy associated with, severity markers, 1093

Takotsubo syndrome, with blunt trauma, elderly woman, 696
Taser, effects of discharges, swine model, 581
Tension pneumothorax, needle decompression, indications for, 1403
Testing practices. *see also* Screening
  alcohol and other drugs, trauma patients, 1370
Thermal injuries
  gammahydroxybutyrate effects, hypermetabolism and wound healing, 1099
  helper T-cell response, role of immunomodulation and, 1407
  nosocomially-acquired *P. aeruginosa*, burn unit, 164
  pediatric, adverse events and survival, 814
  unintentional scald burns, children, S3
Thoracic trauma
  aortic injury, screening based on crash characteristics, 18
  blunt
    carotid rupture and coronary dissection, E69
    mediastinal widening after, child, E51
    tricuspid valve regurgitation caused by, E7
  needle decompression, indications for, 1403
  penetrating
    video-assisted thoracoscopy, E5
    wire-guided bronchial blocker, case report, E127
  pulmonary pseudocyst after, nonoperative management, 1391
Thoracolumbar transverse process, fractures, physical therapy in, 1292
Thoracoscopic surgery
  esophageal perforations, perspectives and treatment, 1173
  video-assisted, intrapleural foreign body after chest trauma, E5
Thoracotomy, ED, prehospital procedures before, 113
Thrombocytopenia, heparin-induced, prevention of thrombosis, E111
Thromboelastography, rFVIIa effects, blood at hypothermic temperatures, 1079
Thrombosis, low-molecular-weight heparin for prevention, E111
Thyroid trauma, blunt, thyroid storm after, E85
Tibia, recalcitrant nonunion, bone graft with autologous platelet gel, 655
Tibial plateau, complex fractures, treatment strategies, 1043
Tibiotalar arthrodesis, using custom blade plate, 1279
Tidal volume, incidence of ARDS and, 1
Tissue-interface pressure, range of motion restriction and, cervical collars, 1120
Tissue oxygen saturation, indicator of volume resuscitation, in hemorrhagic shock, 573
Tissue perfusion, brain death, management of organ donor, 1032
Toll-like receptor 2 and 4, expression, after severe injury, 740
Total parenteral nutrition (TPN), use in ICU, 1215
Tracheostomy, open, diathermy-induced airway fire, prevention, 228
Transplantation, liver, using a severely injured graft, 217
Trauma. *see also* Injury, and the specific type of injury
  abdominal (*see* Abdominal trauma)
  ankle dislocation, functional restoration, E22
  ARDS, decreasing incidence of, 1
  big cat attack, 720
  blunt
    abdominal, nonoperative management, 608
    behind armor, EEG and physiologic parameter after, 405
    cervical spine, CT evaluation, 630
    cervical spine, MRI clearing of, 544
    scapular fracture, injury severity, 889
    spleen, nonoperative management, 44
    Takotsubo syndrome with, 696
    value of CT for chest and abdomen, 757
  carotid cavernous fistula, basilar skull fracture and, 1014
  chylopericardium, E13
  CT detection of, for forensic testimony, 625
  duodenal hematoma after, CT-guided drainage, E10
  EMT certification, all prehospital personnel, 914
  Functional Independence Measurement, from different raters, 1374
  helicopter emergency medical services, impact on on-scene times, 258
  hemorrhage, hemoglobin drop after injuries, 312
  insulin therapy in, effects on pulmonary response, animal model, 351
  kite surfing, dangers of extreme sports, E76
  metatarsophalangeal joints dislocation, horse injury, 938
  motorcycle helmet law repeal, increased fatalities and, 1006
  multiple (*see* Multiple trauma)
  musculoskeletal injury, prediction of delayed recovery, 894
  ophthalmic artery aneurysm, endovascular management, 192
  pelvic fracture, hemodynamic instability, 453
  penetrating
    control of presacral hemorrhage after, 197
    diaphragm, CT detection of, 538
    duodenal and pancreaticoduodenal, 451, 452
    resource-constrained triage method, 316
    stab wound to left flank, esophageal injury, 927
    ureteric injury caused by an arrow, E17
  predictor of mortality, pre-injury ASA physical status classification, 972
  prehospital RRI complexity, mortality and, 512
  pulmonary embolism after, 620

quality of life after, aging and, 670
redefinition of hypotension, base deficit and mortality measurement, 291
severe TBI, β-blocker exposure and, 503
simple things that work, S3
toll-like receptor 2 and 4 expression, cytokine response, 740
transfer for higher level of care, from nontertiary hospital ED, 965
Trauma care
comparing processes, children's *versus* adult hospitals, S96
ethnic disparities in, 1138
inequalities in access, Cambodia, letter, 247
outcomes, children's *versus* adult hospitals, S87
Trauma centers
availability of specialists, national survey, 676
Level I, midlevel providers in, 128
Level III, Delaware Trauma System, 121
mature, preventable mortality at, 1338
methamphetamine, screening and brief intervention, 531
mortality, thoracic aortic injury and crash characteristics, 18
mortality in, trauma team activation effects, 326
outcome prediction, predictive modeling, Dutch hospitals, 908
pediatric care, improvement in outcomes, S140
pediatric *versus* adult
comparing processes, S96
outcomes, S87
regional, all-terrain vehicle crash mechanism of injury, 994
traumatic brain injury, adherence to guidelines, 841
Trauma patients
adult mortality, impact of premorbid conditions, 135
alcohol intoxication, traumatic brain injury and, 365
blood glucose control, 703
B-type natriuretic peptide levels, congestive heart failure and, 747
cause of death, CATopsy prediction of, 979
critically ill, intermittent *versus* continuous gastric feed, 57
critically injured, early hyperglycemic control in, 1353
DVT incidence and screening, marker of quality of care, 1132
early analgesia, fentanyl-based pain management protocol, 819
heart rate variability index, 33
helper T-cell response, role of immunomodulation and, 1407
hypovolemic shock, sonographic measurement of, 1245
inflammatory markers in, molecular analysis, 147
intubated, length of ED stay as risk factor, 9
intubation, protocol-driven approach, 955
neutrophil apoptosis in, alveolar IL-10 regulation, 733
occult pneumothorax, objective scoring system, 13
pelvic fractures and associated injuries, UK perspective, 875
screening protocol for ALECS, 268
sleep quality and quantity, surgical ICU patients, 1210
testing for alcohol and drug use, perceptions and realities, 1370
vena cava filters in, 764
Trauma registry, hospital-based, Haiti, 1143
Trauma surgeon, availability, level I and II trauma centers, 676
Trauma systems, death prevention, before and after new care system, 331
Trauma team
activation, impact on mortality, 326
need for activation, pregnancy, 550
Traumatic brain injury (TBI)
adherence to guidelines, U. S. trauma centers, 841
alcohol intoxication and, 365
Brain Trauma Foundation guidelines, cost-benefit analysis, 1271
coagulopathy after, role of hypoperfusion and protein C pathway, 1254
ethnic disparities, in trauma care, 1138
Glasgow Coma Scale score, prehospital and ED agreement, 1026
heart rate variability index, trauma patients, 33
intracranial hemorrhage, anticoagulation and, elderly patients, 519, 525
intracranial hemorrhage with, role of early follow-up CT, 75
ischemic-reperfusion, aprotinin effects, 373
long-term functional outcome, ethnic disparities, 1263
long-term outcomes, ethnic disparities, 1364
nitrotyrosine, as oxidative stress marker, 438
pediatric, technologic change, measuring cost of, S113
propofol infusion syndrome, 443
reduced heart rate variability, cardiac coupling and, 503
Treatment guidelines, Brain Trauma Foundation, cost-benefit analysis of severe TBI, 1271
Triage
resource-constrained method, victims of penetrating injury, 316
trauma team activation, pregnancy and, 550
Tricuspid valve regurgitation, surgical repair, after blunt thoracic trauma, E7
Troponin I, perioperative, after elective hip surgery, 388

Ultrasonography
abdominal, detection of hemoperitoneum in pelvic fracture, 97
inferior vena cava, hypovolemic shock evaluated by, 1245
intensivist bedside, for volume assessment, 495
Upper extremity, hay baler injuries, 62
Uremia, rapid evolutional papules in, image of trauma, 449
Ureter, penetrating injury, E17
Urethra, pudendal artery-urethral fistula, selective embolization for, 1388

Vaginal injuries, personal watercraft, 1161
Vascular injury, with knee dislocation, outcomes, 855
Vena cava filters
retrievable, follow-up, 1193
use in adult trauma patients, 764
Venous air embolism, pressure infusion devices and, image of trauma, 246
Ventilation, mechanical
ARDS in elderly patients, 344
decreasing incidence of ARDS and, 1
sedation and analgesia during, guidelines, 945
Ventilator associated lung injury (VALI). *see* Lung injury
Ventilatory-associated pneumonia. *see* Pneumonia
Vertebral artery, blunt injury, MRA and angiography diagnosis, 1249
Volar laceration, wrist, coverage with reverse posterior interosseous flap, 402
Volume resuscitation, spectrometric tissue oxygen saturation, in hemorrhagic shock, 573
Volume status, intensivist bedside ultrasound assessment, 495

Warfarin. *see also* Anticoagulation therapy
adverse outcomes after TBI and, elderly patients, 525
Whiplash, biomechanics, multiplanar cervical spine injuries in side impact, 1296
World Trauma Association
Evidence-Based Medical Information Technology: The Next Generation, 1195
Ruminations at Sunset, 1206
Wound healing, hypermetabolism, gammahydroxybutyrate effects, 1099
Wounds and injuries
amputation, military trauma surgery, 940
extremity hemorrhage, comparison of hemostatic agents, combat, 276
fasciotomy, soft tissue defects of the anterior leg, 1185
mortality, mature trauma center, 1338
splenic trauma, angiography and nonoperative management, 44
stab, intra-abdominal esophagus, 927
stab wound, left ventricular injury, FAST, 414
Wrist trauma, coverage of skin defects, reverse posterior interosseous flap, 402

Yohimbine, during resuscitation, hemorrhagic shock, 26

AUTHOR INDEX, VOLUME 63

Aarabi, Bizhan, 420, 439
Ababal-Centellas, Josep M., 720
Abood, Gerard J., 50
Abu-Zidan, Fikri M., 889, 1424
Adelson, P. David, S113
Adnet, Frédéric, 379
Agarwal, Nirmala, 962
Agel, Julie, 855
Ahmad, Naveed, 1127
Ahmed, Najma, 1370
Ahmed, Nasim, 455
Ahn, Edward S., 420
Aitken, Mary E., S39, S113
Akhlaghi, Fatemeh, 1187
Akil, Hazem, 720
Akpinar, Erhan, 721
Alain, Bizeau, 961
Alain, Fabre, 961
Alam, Hasan B., 13, 285
Alamanis, Christos, 1388
Albaugh, Gregory, 370
Albrecht, Roxie M., E5
Alexander, Edward L. III, 121
Alford, J. Winslow, 647
Altman, Daniel T., 709
Alvi, Atif, E88
Alzamel, Heythem, 159
Amarante, José, 691
Amathieu, Roland, 379
Amin, Parth B., 1223
Amiridze, Nana, 439
An, Gary, 197
Anastakis, Dimitri J., E30
Anderson, James S., 544
Anderson, Meredith, 920
Andreoni, Kenneth A., E116
Antonopoulos, Dimitrios, 388
Anupindi, Madhuri, 1193
Anwar, Rahij, E105
Aoki, Noriaki, 452
Applegate, Janie, S25
Arborelius, Ulf P., 405
Arce, Carlos A., 1308
Archer, Pam, 994
Armour, Alexis D., 164
Arnaud, Françoise, 775
Arreola-Risa, Carlos, 914
Arya, Subhash C., 962
Asensio, Juan A., E27
Aslan, Adem, 373
Atalay, Hakan, E7
Atapattu, Suresh A., 33
Audigé, Laurent, 1314
Avunduk, Mustafa Cihat, 373

Baccarani, Alessio, 831
Bacha, Emile A., E100
Bachella, María-Marcela, 929
Badami, Chirag D., 596
Balogh, Zsolt, 245, 1066
Bamvita, Jean-Marie, 135
Banasik, Małgorzata, 179
Banias, Constantinos, 1388
Bankey, Paul E., 703, 945
Bao, De-Guo, 798
Barbaro, Casey, 1348
Barbee, R. Wayne, 662
Barbosa, Rui, 691
Barendregt, Wout B., 1171
Barie, Philip S., 344, 519, 525, 987
Barleben, Andrew, 414
Barlow, Barbara, S10
Barney, Linda M., 1383
Barone, James E., 720
Barquist, Erik S., 57, 159
Barrette, Roger R., 1230
Barrette-Grischow, Mary-Kate, 211
Bartal, Carmi, 725
Basdekis, George, E111
Basford, Jeffrey R., 1120
Batchinsky, Andriy I., 512
Bayat, Ardeshir, 1074
Bayeeh, Emilie, 740
Beard, David J., 435
Becerra, Salvador, 747
Bederman, S. Samuel, E30
Beekley, Alec C., 805
Beelen, Roel, 1159
Beets-Tan, Regina G., 429
Belangero, William, 205
Bellabarba, Carlo, E95
Belzberg, Howard, 1, 1032
Bennett, Kyla M., 307
Berenholz, Sean M., 1132
Bergeron, Eric, 135
Bermúdez, Carlos A., 211
Bernard, Andrew, 1108
Berne, Thomas V., 1032
Bhalla, Sanjeev, E66
Bhamidipati, Castigliano, 1348
Bhandari, Mohit, 641
Bianchi, Ricardo A., 929
Bigatello, Luca M., 630
Bijelic, Lana, 927
Bijlsma, Taco S., 908
Bishai, Shariff K., 424
Blackburn, Lorne, 291
Blanc, Christian, 1143
Blocher, Charles R., 276
Block, Ernest F. J., 159
Bloom, Stephanie, 1155
Bochicchio, Grant V., 1353
Bochicchio, Kelly M., 1353
Boehme, Marla, 512
Bokhari, Faran, 581, 709
Bonilla, Larissa, 596
Boorgula, Venkat, E105
Borens, Olivier, 103
Borgman, Matthew A., 805
Borron, Stephen W., 379
Bosco, Giovanni, 924
Bosse, Michael J., 855
Boswell, Sharon, 538
Bouamra, Otmar, 875
Bouchemal, Nadia, 379
Boucher, Bradley A., 1329
Bouchier-Hayes, David, 351
Bouillon, Bertil, 1391
Boulanger, Bernard, 1108
Bowlin, Gary L., 276
Bowman, Kim, 725
Bradley, Kevin M., 113
Bradley, Michael P., 647
Brandenburg, Mark A., 994
Brandt, Edward N. Jr, 994
Bransky, Aaron, 1138
Branstetter, Joanna G., 940
Brasel, Karen, 902
Brink, Monique, 757
Brink, Peter R. G., 429
Brock, Marjolyn, 147
Brody, Fred, 687
Brohi, Karim, 1254
Browder, Timothy, 1010, 1338
Brown, C. Alan, 747
Brown, Carlos, 1215, 1338
Brown, Rebeccah L., 608
Brown, Ronnie, 1113
Brown, Sandra, 312
Brown, Sheryll J., 994
Brundage, Susan I., 608
Bruno, Anthony D., 831
Bruns, Brandon, 312
Bryant, Patrick, 326
Buchman, Timothy G., 232
Buckman, Robert F. Jr, 316
Bugler, Eileen M., 291
Burch, Cynthia A., 1000
Bursell, Jenny, 405
Burton, Jon N., 1026
Bush, James A., 1074
Buyukbas, Sadik, 373

Cai, Xiu-Jun, 798
Calcote, Lynn, 147
Caldera, María V., 751
Cameron, Peter A., 1374
Campbell, Scott, E65
Cancio, Leopoldo C., 512
Caputo, Francis J., 596
Carlile, Mary, 1263
Carney, Daniel E., 326
Carr, Brendan G., 9, 495
Carrillo, Eddy, 448
Casanova, Elena, 751
Casey, Zoe C., 955
Cassidy, Laura D., 1143, S68
Catagni, Maurizio A., 1043
Cautero, Nicola, 217
Cedric, Bernard, 961
Chan, Linda, 1010, 1215
Chang, Edward F., 75
Chang, Li-Tung, 70
Chang, Li-Way, 1423
Chang, Michael C., 358
Chang, Phillip, 1108
Chapman, Jens R., E95
Charlton, Michael A., 1422
Cheadle, William G., 733

Chen, Chien-Chung, 933
Chen, Chien-Tzung, 827
Chen, Li-Rong, E90
Chen, Tain-Hsiung, 655
Chen, Wei-Ming, 655
Chen, Yun, 417
Cheng, Joseph S., 709
Chennault, Shanna K., 1329
Chernin, Jill M., 1380
Cherry, Robert A., 326
Chiang, Chao-Ching, 655
Chinkes, David L., 814, 1099
Cho, Minho, E73
Cho, Myung-Rae, 1054
Chokshi, Nikunj, S87
Choupina, Miguel, 691
Chu, Shi-Jye, 719, 1423
Chung, Dai H., 814, 1380
Chung, Hong-Chun, 719
Cipolla, James, 979
Citak, Musa, 239
Claridge, Jeffrey A., 544
Clas, David, 135
Clermont, Gilles, 573
Cocanour, Christine S., 268
Cogbill, Thomas H., 1021
Cohen, Mitchell Jay, 1254
Cohen, Todd M., 1006
Cohn, Stephen M., 57
Cole, Peter A., 1061
Cole-Farmer, Julie, S25
Collin, Gary, 159
Como, John, 544, 709
Conaway, Mark R., 556
Concertino, Victor A., 291
Condron, Claire, 351
Conroy, Carol, 300
Contreras, Ismael, 914
Convertino, Victor A., 512
Cook, Alan, 764
Cooke, William H., 291, 512
Cooney, Robert N., 326
Cooper, David J., 331
Corcos, Alain C., 1230
Cordner, Stephen M., 331
Cornwell, Edward E. III, 1132
Cortes, Vicente, 1405
Cosar, Murat, 373
Cothren, C. Clay, 454
Cotton, Bryan A., 503
Crandall, Jeff R., 18
Crawford, Louise, 1185
Crisco, Joseph J., 647
Croce, Martin A., 1329
Cucuzzo, Janet, 1348
Cuff, Sara, 172
Cullinane, Daniel C., 709, 1120
Cummings, Glenn R., 1360
Curley, P., E105
Curtis, Kevin M., 819
Cuschieri, Joseph, 703
Cusimano, Michael, 725
Czechowski, Janus, 1424
Czechowski, Janusz, 889

Dahm, Diane L., 920
Dailiana, Zoe H., E111
Daly Ivonne, 454
Dang, Alexis B. C., 1032
Darby, Joseph M., 454
Darwish, Ribal S., 439
Davies, Gary, 1403
Davis, Alan T., 591
Davis, Kimberly A., 50
Daza, Enrique, 927
Deacon, P., E105
Dean, Anthony J., 495
Dean, J. Michael, S101
Deane, Stephen A., 1066
Dearwater, Stephen, S20, 1006
DeBerry, Brittany B., 1380
DeBruijn, Marklieke, 831
Decker, Paul A., 1120
de Feiter, Peter W., 429
De Geest, Raphaël, 1159
DeHeer, David H., 591
Deitch, Edwin A., 596
Dekker, Helena M., 757
de la Plata, Carlos Marquez, 1138, 1263
Delgado, Angel V., 1079
Demetriades, Demetrios, 1, 1010, 1032, 1215, 1338
de Moya, Marc, 13, 285
Demsar, Janez, 452
Dennis, Andrew J., 581
de Oliveira, Ana, 1364
Derham, C., E105
Deross, Anthony, 1167
De Ruvo, Nicola, 217
Desai, Rasesh, E17
De Souza, Michelle, 370
Deunk, Jaap, 757
de Vries Reilingh, Tammo S., 1171
Dewitt, David, 1395
Diaspro, Alberto, 924
Diaz, Jose J. Jr., 709
Diaz-Arrastia, Ramon, 1138, 1210, 1263, 1364
Di Benedetto, Fabrizio, 217
Dicker, Rochelle A., 142
Diebel, Lawrence N., 1223
Diegelmann, Robert F., 276, 662
DiMaio, Vincent J. M., 625
Dinopoulos, Haralambos, 875
DiRusso, Stephen, 172
Di Sandro, Stefano, 217
Dischinger, Patricia C., 1000
Dodds-Ashley, Elizabeth, 307
Doherty, James, 57
Donnelly, Michael, 351
Dowd, M. Denise, S136
Downer, Lisa L., 1120
Draucker, Gerard T., 276
Drobin, Dan, 405
Dubick, Michael A., 1079
DuBose, Joseph E., 556
Duggan, Michael, 285
Duncan, Robert C., 33
Dunn, Jonathan H., 197
Duttaroy, Dipesh Dilipkumar, E17
Dutton, Richard P., 339
Dye, Judy L., 836

Eachempati, Soumitra R., 344, 519, 525, 987
Eastman, A. Brent, 300
Eastman, Alexander L., 253
Eastridge, Brian J., 291
Ebraheim, Nabil, 1418
Edil, Barish H., E5
Edwards, Michael J., 757
Efron, David T., 1132
Egleston, Brian L., S54
Eguchi, Yutaka, 1093
Ehrlich, Michael G., 647
Ekeh, Akpofure P., 1383
Eken, Torsten, 972
Ekshyyan, Viktoriya, 565
Elamin, Elamin M., 1407
Elliott, Alan C., 1138
Emami, Claudia, E27
Endo, Shigeatsu, 1093
Endress, Ryan, 370
Erdemli, Esra, 187
Erdmann, Detlev, 831
Eric, Kaiser, 961
Erkoboni, Danielle, S29
Erwin, Steve, 300
Escobar, Guillermo A., 720
Eser, Olcay, 373
Eskesen, Vagn, E59
Esposito, Thomas J., 50
Evans, Julie A., 245, 1066
Everett, Worth W., 495

Fabian, Timothy C., 1329
Fadale, Paul D., 647
Fakhry, Samir M., 18, 550
Falimirski, Mark, 1087
Fanciullo, Gilbert, 819
Faul, Mark, 1271
Fedyk, Chriselda G., 1079
Ferreira, Pedro, 691
Fiedler, Katherine E., 316
Fingerhut, Lois A., 247
Fisher, Carol A., 113
Fishwick, Guy, E107
Flohé, Sascha, 740
Flohé, Stefanie B., 740
Follmar, Keith E., 831
Forbes, P., S3
Ford, Henri R., 1143, S87
Forsythe, Raquel M., 44
Fowler, Raymond L., 253
Foxworth, M., S5
Frangen, Thomas M., 83
Frankel, Heidi, 487, 1138, 1210, 1263
Frankema, Sander P. G., 258
Fratkin, Jonathan D., E47
Freedman, John, 725
Freeman, Brad, 945
Frei, Lonnie Warren, 1161
Frey, Katherine P., S54
Friese, Randall S., 97, 1210
Frink, Michael, 263
Frykberg, Eric R., 1308

Gabbe, Belinda J., 1374
Gaines, B. A., S4
Galanakis, Ioannis A., E22
Galarneau, Michael R., 836
Gamelli, Richard L., 50
Gando, Satoshi, 1093
Ganel, Abraham, 1169
Gang, Shen, 1014
Ganter, Michael T., 1254
Gardner, Sharyn D., 676
Gaughan, John, 113
Gentilello, Larry M., 97, 312, 1006, 1138,

1210, 1263, 1364
Germanwala, Anand V., 192
Gerunda, Giorgio E., 217
Gettings, Elise, 630
Getz, M. A., S4, S7
Gewartowska, Magdalena, 849
Ghajar, Jamshid, 841
Giannopoulos, Aris, 1388
Giannoudis, Peter V., 875
Gierer, Philipp, 788
Gika, Masatoshi, 783
Ginzburg, Enrique, 452
Gittelman, Michael A., S44
Gjerris, Flemming, E59
Golan, Eyal, 365
Golan, Jeff Dror, 365
Goldberg, Amy J., 113
Goldberg, Benjamin A., 197
Goldschlager, Tony, E65
Gomez-Fein, Eleanor, 159
Göncü, M. Tugrul, E19
Gonzalez, Ernest A., 268
Gonzalez, Richard P., 1360
Goodman, Allen C., S113
Goodman, Martin, 370
Gore, Dennis C., 814
Górecki, Andrzej, 849
Gösling, Thomas, 239
Gracias, Vicente H., 9, 495, 1155
Gradl, Georg, 788
Grant, Robert J., 955
Grathwohl, Kurt W., 805
Green, Donald, 1, 1215
Green, Douglas W., E66
Greene, Wendy, 550
Greenspan, Arlene, 247
Griffen, Margaret M., 1308
Griffey, Richard T., 721
Groner, Jon I., 608
Grose, Andrew, 103
Gross, Thomas, 1314
Grossman, Michael D., 979
Grotz, Martin R. W., 875
Gruber, Gottfried, E51
Gruen, J. Peter, 1010, 1032
Gryth, Dan, 405
Gschwentner, Martin, E51
Gu, Lin-Hui, 798
Guerrini, Gianpiero, 217
Guice, Karen S., S68, S155
Gul, Ali, E13
Gulcan, Oner, E7
Gunter, Oliver, 709
Gupta, Amit, 696

Ha, Yong-Chan, 1054
Haan, James M., 339, 538, 615
Hadjizacharia, Pantelis, 1215, 1338
Hafner, J. W., S4
Hagiwara, Akiyoshi, E85
Haider, Adil, 172, 1132
Hall, Bruce L., E66
Hamilton, James, 147
Hanes, Scott D., 1329
Hanish, Steven I., E10
Hanna, Refaat, 18
Hanson, Beate P., 641
Hantes, Michael, E111
Harbrecht, Brian G., 44, 703, 945
Harlin, Shanna, 1360
Harris, Darcy, 1187
Harrison, Sebron, 147
Hashemi, Majid, E88
Hauser, Carl J., 1292
Haut, Elliott R., 1132
Hawkins, Hal K., 814, 1099
Hayward, Thomas Z. III, 307
Healey, Christopher, 1167
Heckman, Dan, 90
Hedges, Jerris R., 965
Hedrick, Traci L., 556
Helfet, David, 103
Hendershot, Kimberly, 550
Henriques, Horace F., 819
Herndon, David N., 814, 1099
Hesdorffer, Dale C., 841
Hildebrand, Frank, 263
Hirano, Akiyoshi, E55
Hirata, Reijiro, E55
Hirschmann, Michael Tobias, 1314
Ho, Anthony M.-H., 228
Hoey, Brian A., 979
Hoff, William S., 979
Hoffmann, Raymond, 902
Holbert, William H., 276
Holbrook, Troy Lisa, 300, 531
Holcomb, John B., 291, 512, 805, 1079
Holevar, Michele, 709
Holland, Martin C., 75
Holmer, Stephan, E69
Holmes, James H. IV, 608
Homar-Ramírez, Javier, 720
Homnick, Adena, 1292
Hong, Bumkee, E73
Horan, Annamarie D., 495
Horowitz, Michael B., 192
Hoth, J. Jason, 358, 733
Hough, S. M., S4
Houghton, Doug, 57
Hoyt, David B., 300
Hsieh, Ching-Hua, 933
Hsieh, Pang-Hsin, 1283
Hsu, Chin-Wang, 1423
Hsu, Ko-Chiang, 1423
Hsu, Robert Wen-Wei, E44
Hsu, Ya-Fen, E124
Hsu, Yu-Pao, 827
Huang, Ching-Kuei, 655
Huang, Kuo-Chin, E44
Huang, Tsung-Jen, E44
Huang, Wei-Dong, 798
Huang, Yao-Kuang, 1192, E124
Hübler, Merla J., 232
Huerta, Sergio, 414, 1113
Hüfner, Tobias, 239
Hvingelby, Eva Marie, 747
Hydo, Lynn J., 344, 519, 525, 987

Iaguilli, Nick, 1418
Iba, Toshiaki, 1093
Ikeda, Toshiaki, 1093
Imamura, Takayuki, 783
Inaba, Kenji, 1, 13, 1010, 1215, 1338
Ishhikura, Hiroyasu, 1093
Ito, Masaaki M., 938
Itoman, Moritoshi, 108, 884
Ivancic, Paul C., 1296
Ivatury, Rao R., 276, 662
Izumi, Yotaro, 783

Jackson, Carl-Christian A., E100
Jacobson, Therese M., 1120
Jacofsky, David J., 920
Jacques, Line, 365
Jaffe, D., S4
Jay, Gregory D., 1187
Jeng, Seng-Feng, 933
Jenkins, Donald, 805
Jenkins, Judith M., 503
Jeremitsky, Élan, 1405
Jerome, Rebecca, 709
Jiang, Tao, 1249
Johansson, Sven-Erik, 894
Johnson, Jeffrey L., 703, 945
Johnson, Steven B., 1353
Johnston, Karen M., 365
Jonas, Ludwig, 788
Jones, Clifford B., 591
Jones, J. Mary, 972
Jones, Larry M., 1230
Jones, Mary Sue, 121
Jönsson, Anders, 641
Jornsay-Hester, D., S4
Joseph, Kimberly T., 581
Joshi, Manjari, 1353
Josten, Christoph, 394
Jovin, Tudor G., 192
Juma, Ali, 1185
Jurkovich, Gregory J., S54, S87, S155

Kahn, M., S5
Kakar, Sanjeev, 641
Kalia, Vineeta, 1370
Kalkan, Erdal, 373
Kam, Kelly, 747
Kamat, Nandan, 435
Kangas, K. K., S3
Kao, Chiung-Lun, 1192
Kao, Hsuan-Kai, 1283
Kapur, Sashil Singh, 1161
Karkos, Christos D., E107
Karmakar, Manoj K., 228
Karmy-Jones, Riyad, 1193
Kashuk, Jeffry L., 452
Kasprzak, Piotr, E69
Katonis, Pavlos G., E22
Kaudel, Christian P., 263
Kawamura, Masafumi, 783
Kawasaki, Takashi, 770
Kaye, Adam J., 9
Kaye, Keith S., 307
Kearney, Paul, 1108
Kelly, Robert, 1405
Kendig, Tiffany, S10
Kendoff, Daniel, 239
Kennedy, Frank, 300
Keppler, Volker, 1391
Kerby, Jeffrey D., 1026
Kerwin, Andrew J., 1308
Keuter, Kayla, 128
Khanh, N'Guyen Mihn, 961
Kheirabadi, Bijan S., 1079
Khetarpal, Suneel, 365
Kigongo, Samual P., 720
Kılıçcoğlu, Sibel Serin, 187
Kim, Anthony, 197
Kim, Dongsoo, E73

Kim, Hyung Kook, 573
Kim, Hyun-Seung, E73
Kim, Kwang-Myung, E40
Kim, Patrick K., 221
Kim, Shin-Yoon, 1054
Kim, Sung-Bum, E40
Kim, Tae-Kong, 1054
Kim, Young-Ju, 676
Kim, Young-Soo, E40
Kimbrell, Brian J., E27
King, Kate L., 245, 1066
King, Tonya S., 326
King, W. D., S5, S25
King-Schultz, Leslie W., 1143
Kjellström, B. Thomas, 405, 1234
Kleinert, James M., 62
Klempnauer, Jürgen, 263
Knott-Craig, Christopher, E5
Knudson, M. Margaret, S140
Knüttgen, Dirk, 1391
Ko, Sae H., 44
Ko, Yong, E40
Kobayashi, Koichi, 783
Kocabas, Volkan, 373
Koksel, Oguz, E13
Koo, Kyung-Hoi, 1054
Korte, Wolfgang C., E1
Koseki, Kazuhide, 1093
Koshy, Ninan, 443
Kosir, Roman, 268
Kouvaris, Christos, 388
Koval, Kenneth, 641
Koyle, Martin A., 432
Kozar, Rosemary A., 268
Krajewski, Wojciech, 179
Kralinger, Franz, E51
Kramer, Mary E., 339
Kravel, Tomar, 1169
Kregenow, R. D., S4
Kregor, Philip J., 450, 1061
Krettek, Christian, 239, 263
Kreuzfelder, Ernst, 740
Kroezen, Frank, 908
Ku, Bon S., 495
Kubek, Edward W., 591
Kuenzig, Holger O., E69
Kufera, Joseph A., 1000
Kurek, Stanley J. Jr., 709
Kushimoto, Shigeki, 1093
Kuusela, Tom, 512
Kwon, Hyuck Moon, E73

Lai-jin, Lu, 402
Lalliss, Steven J., 940
Lambert, Pamela J., 1021
Lampard, Andrina L., 435
Lancaster, Virginia E., S39
Lansford, Todd, 370
Lapidus, Garry, S7
Lapostolle, Frédéric, 379
Lauro, Augusto, 217
Laux, Gerson, 684
Lavery, Robert, 1292
Lavoie, Andre, 135
Law, Jenifer, 1215
Lecky, Fiona, 875
Ledbetter, Stephen, 721
Lederer, Wolfgang, 249
Lee, Jonathan, 164
Lee, Kam-Fai, E44
Lee, Kyu-Bong, 1054
Lee, L. K., S3
Lee, Po-Cheng, 1283
Lee, Sang Hak, E73
Lee, Seong, 448
Lee, Tu-Sheng, 452
Lee, Yen-Hsing, E37
Leenen, Luke P. H., 908
Lefton, Jennifer, 57
Lehner, James T., 1383
Leigh-Smith, Simon, 1403
Leininger, Brian L., 249
Lemberger, Peter, E69
Le Moyec, Laurence, 379
Lendemans, Sven, 740
Leonardou, Polytimi, 1388
Leone, Susan, 339
LeRoux, Peter D., 1155
Levine, Jason, 1418
Lewkowicz, Przemysław, 179
Li, Changqing, 1249
Li, Tin-Chou, 417
Liang, Wen, 1014
Liao, Cheng-Chih, 827, E90
Liao, Yuan-Ya, 452
Liberati, David M., 1223
Liem, Mike S. L., 908
LiLiang, Po-Chou, 933
Lim, Hyun J., 902
Lin, Jinn, 866
Lin, Pyng-Jing, E124
Lin, Swei-Ming, 417
Lin, Yu-Min, 452
Lindsey, Mark, 312
Littenberg, Benjamin, 764
Liu, Hsin-Hua, E37
Liu, Hui-Ping, 1192
Livani, Bruno, 205
Livingston, David H., 596, 1292
Llompart-Pou, Juan A., 720
Lloyd, Michael, 113
Lockette, Warren, 26
Lombardi, Luigi Vernaglia, 951
London, Nicholas J. M., E107
Long, William B., 316
Lopez, Nicholas, 1108
Lorenzo, Manuel, 709
Loria, Roger M., 662
Lorini, Salvatore, 951
Lowell, G., S3
Lu, Ming-Shian, 1192, E124
Lu, Yuan-Qiang, 798
Luchette, Fred A., 50
Ludin, Dietmar, 1314
Lumpkins, Kim, 1353
Lunsjo, Karl, 889
Lynch, James E., 1380
Lyons, Timothy, 1066

Maak, Travis G., 1296
Mackay, Peter, 1066
Mackenzie, Colin F., 676
MacKenzie, Ellen J., 855, S54, S155
Mackenzie, Stuart, 1066
Mackersie, Robert C., 1254
MacLennan, Paul A., 1026
MacLeod, Jana B. A., 57
Madhok, Brijesh Madanmohan, E17
Maegele, Marc, 1391
Maggioni, Massimiliano, 1043
Maher, Suzanne A., 103
Mahla, Elisabeth, E81
Maier, Ronald V., 487, 703, 945
Mair, Richard, E107
Malangoni, Mark A., 544
Maleki, Mahammed, 365
Malekzadeh, Stephen, 97
Malheiro, Edgardo, 691
Malizos, Konstantinos N., E111
Maloney, L., S4
Manley, Geoffrey T., 75, 1254
Marcoux, Judith, 365
Marcu, Andreea C., 662
Marcus, Jeffrey R., 831
Mark, Dustin G., 495
Markose, George, E107
Marmery, Helen, 615
Martin, Mathew, 1
Martin, R. Shayn, 358
Martinez, Octavio, 159
Masetti, Michele, 217
Mathiason, Michelle A., 1021
Matsuda, Takeaki, E85
Matsuyama, Takeshi, 700
Mattix, Kelly D., 608
Mattox, Kenneth L., 1173
Mavioglu, Ilhan, E13
Maxson, R. Todd, 1127
May, John, 1108
May, Warren, 147
Mayumi, Toshihiko, 1093
McAuley, Clyde E., 1405
McBride, Dara, 1210
McCarron, Richard M., 775
McCarthy, Mary C., 1383
McCarthy, Melissa Lee, S122
McConnell, K. John, 965
McCoubrey, Gavin, 1185
McDaniel, D. Olga, 147
McDermott, Frank T., 331
McDougall, Debra, 1066
McGrath, Jennifer, S140
McGwin, Gerald Jr., 1026
McKeague, Anne, 775
McKenney, Mark M., 1006
McKinley, Bruce A., 945
McManus, John G., 291
McNealy, Talicia, S44
McQuay, Jacqueline, 955
McQuay, Nathaniel, 979
McRoberts, Drew, E95
Meeker, Michele, 75
Meeuwis, J. Dik, 908
Mehlman, Charles T., 424
Meier, Cynthia, 1108
Mejia, Vicente, 709
Mello, Michael J., S7
Memtsoudis, Stavros G., E127
Menaker, Jay, 620
Mendenhall, Matthew L., 246
Mendoza, Rosemarie, 414
Meredith, J. Wayne, 358
Merouani, Mehdi, 379
Messmer, Peter, 1314
Metze, Michael, 394
Metzler, Helfried, E81
Meyer, Nicholas, 1395

Meyer, Walter, 1099, 1353
Meyers, Bryan F., E66
Meyers, Kathleen, 103
Michel, Levadoux, 961
Michetti, Christopher P., 18
Miers, Anne G., 1120
Miglietta, Maurizio, 709
Miller, Andrew C., 1407
Miller, Beverly K., S39
Miller, Charles C. III, 608
Miller, Charles M., 217
Miller, Preston R., 358
Min, Woo-Kie, 1054
Minehara, Hiroaki, 884
Minei, Joseph P., 253, 312, 487, 703, 945, 1113, 1127
Mirvis, Stuart E., 615
Mischinger, Hans-Joerg, E81
Mishima, Shiro, 603
Mitropoulos, Dionisios, 1388
Mittlmeier, Thomas, 788
Miyabashira, Sumika, 783
Mock, Charles, 914
Mohr, Alicia M., 596
Mohrle, Charlene R., 836
Molina, D. Kimberley, 625
Moncure, Michael, 370
Monroe, K., S5, S25
Monsalve, Guillermo A., 195
Monti, James, 1187
Mooney, David P., 608, S3
Moor, Sabine, E1
Moore, Aaron, 550
Moore, Douglas C., 647
Moore, Ernest E., 452, 454, 487, 703, 945, 1206
Moore, Frederick A., 268, 945, 1195
Morgan, Steve J., 454, 1324
Morris, John A. Jr, 503
Moss, Joann, S7
Mouratis, George, 388
Mouzopoulos, George, 388
Mueller, Eric W., 1329
Muhr, Gert, 83
Mukundan Srinivasan, 831
Mulekar, Madhuri, 1360
Mullins, Richard J., 965
Mullins, Samantha H., S39
Munyikwa, Mudiwa, E100
Murao, Yoshinori, 700
Murase, Ken-ichi, 938
Murata, Atsuo, E85, 1093
Murphy, Joseph T., 1127
Murphy, Kevin D., 1099
Murray, Pariac, 351
Mustard, Robert, 1370

Nagy, Kimberly K., 581
Nakahara, Shinji, 247
Nakamura, Koushin, 108, 884
Nakashima, Mitsuko, E55
Namias, Nicholas, 1191
Nance, Francis C., 221
Nance, Michael L., 221, 608
Nandate, Koichiroh, 770
Napolitano, Margaret, 62
Nathens, Avery B., 487, 703, 945, S54, S96
Navasaria, Pradeep H., 451
Navin, D. Michael, 316
Naylor, A. Ross, E107
Nealon, Peter, 172
Nemeth, Ira R., 253
Newgard, Craig D., 965
Newman, D. Brian, 147
Nguyen, Michael, 13
Nguyen, Tai Q., 1308
Nicastro, Olivia, 1292
Nicholl, James E., E105
Nicholls, Timothy P., 1032
Nichols, Joanna J., 625
Nicoara, Alina, 443
Nicoluzzi, João Eduardo, 684
Nijboer, Johanna M. M., 670
Nijsten, Maarten W. N., 670
Nirula, Ram, E119
Nishiguchi, Takashi, 700
Noguchi, Thomas T., 1338
Noll, Kathy, 1132
Nolley, Barbara, 556
Nomoto, Shot, 1010
Norris, Patrick R., 503
Nozaki, Chikateru, 783
Nyberg, Sue M., 128
Nyrén, Olof, 894

Oberladstatter, Jiirgen, E51
Oberwalder, Peter, E81
Ocal, Koray, E13
Ochoa, Christian, S87
O'Connor, Robert E., 121
Ogata, Masanori, 770
Ogura, Yuji, 1093
Ohta, Sho-ichi, 603
Ohtomo, Yasuhiro, 1093
Okada, Yoshiaki, 1245
Okamoto, Kohji, 1093
O'Keeffe, Terence, 1006
Okuchi, Kazuo, 700
Okusanya, Olugbenga, 495
Oldham, Keith T., S52, S68, S155
Olsen, Niels Vidiendal, E59
Olsson, Lars-Gunnar, 405
Olszewski, Waldemar L., 849
Oncel, Didem, 1010
O'Neill, Patricia, 696
O'Neill, Patrick J., 709
Ong, Adrian W., 1405
Oppermann, Timothy E., 1230
Osganian, S. K., S3
Osler, Turner, 764
Ott, Mickey, 591
Ottaviani, Giulia, 1043
Ottosson, Carin, 894
Oudit, Deemesh, 1185
Ozaki, Masayuki, 770
Ozdulger, Ali, E13
Özyürekoğlu, Tuna, 62

Paccione, Kristin E., 662
Paci, Gabrielle M., 531
Pacyna, Sharon, 300
Paffrath, Thomas, 1391
Pągowska-Klimek, Izabela, 179
Panjabi, Manohar M., 1296
Pankratz, V. Shane, 1120
Pape, Hans-Christoph, 263
Pappas, Paris, 1388
Pappas, Theodore N., E10
Parisi, Coloma E., 929
Park, Sungha, E73
Parks, Jennifer, 1127, 1138, 1263
Patel, Chirag V., 414
Patel, Nirav Y., 1021
Pathak, Abhijit S., 113
Patka, Peter, 258
Patterson, Brendan M., 855
Pawlik, Michael T., E69
Pearl, R. H., S4
Pearle, Andrew, 239
Pearson, Judith, E88
Pecorari, Gian Carlo, 924
Peitzman, Andrew B., 44
Pennington, William T., 1395
Pérez-Bárcena, Jon, 720
Pérez-Chrzanowska, Hanna, 751
Perkins, Jeremy G., 805
Perry, Henry B., 1143
Persson, Jonas K. E., 405
Pesantez, Rodrigo, 205
Pestaña, David, 751
Petrone, Patrizio, E27
Pettersson, Hans, 894
Pfister, Karin, E69
Phelan, Herb A., 1127, 1360
Phy, Radian, 247
Pieracci, Fredric M., 519, 525
Pinho, Carlos, 691
Pinna, Antonio D., 217
Pinsky, Michael R., 573
Pittet, Jean-François, 1254
Pizano, Louis, 13
Plante, Troilus, 1187
Platnick, K. Barry, 720
Plurad, David, 1
Pokras, Robert, 247
Polanco, Patricio M., 573
Pollack, Murray M., S143
Poloujadoff, Marie-Pierre, 379
Pomerantz, Wendy J., S44
Ponsky, Todd, 687
Ponzer, Sari, 894
Porter, James R., 1165
Pressley, Joyce C., S10
Price, Steven W., 1383
Proctor, Kenneth G., 33
Proffitt, E. Kate, 276
Pronovost, Peter J., 1132
Prusaczyk, W. Keith, 775
Prybilla, David, 1087
Pu, Yu, 1249
Pucci, Edward, 687
Pulley, Steven C., E119
Pusateri, Anthony E., 1079
Puyana, Juan Carlos, 573
Pyle, Anne, 1353

Quarz, Volker, 1314
Quinlan, K., S3, S6
Quintini, Cristiano, 217

Racine, Stéphane, 379
Ramdan, Khalil, 1424
Rani, Meenakshi, 740
Rashid, Rashid M., 1407
Ratte, Sebastien, 135
Redondo, Javier, 751
Regazzoni, Pietro, 1314

Reilly, Patrick M., 9
Reis, Jorge, 691
Ren, Xianjun, 1249
Repine, Thomas, 805
Resau, James H., 591
Reynolds, Cecily M., 819
Rhee, Peter, 1, 709, 1010, 1215, 1338
Riddez, Louis, 1234
Rieger, Michael, E51
Riess, Kevin P., 1021
Rigopoulos, Nikolaos, E111
Rindflesch, Aaron B., 1120
Ringburg, Akkie N., 258
Rinnert, Kathy J., 253
Riordan, William P. Jr, 503
Risucci, Donald, 172
Rivara, Frederick P., S52, S54, S155
Rivera-Chavez, Fernando A., 1113
Rixen, Dieter, 1391
Rizzo, Anne G., 550
Roberts, Roxanne R., 581
Robinson, Linda, 550
Roccia, Fabio, 924
Rocksén, David, 405
Rodning, Charles B., 1360
Rodriguez, Aurelio, 1405
Rogers, Frederick B., 764
Roland, Christina, 57
Romero, María-Cristina, 929
Rootman, Dan B., 1370
Rose, Mary W., 1099
Rose, Peter, 920
Rosen, Daniel J., 443
Rosengart, Matthew R., 44
Rosenthal, Andrew, 448
Rosenthal, Guy, 75
Ross, Ian B., E47
Ross, Steven E., 370
Rotter, Robert, 788
Rowe, Kinsey, 312
Royo, Concepción, 751
Rue, Loring W. III, 1026
Rumbaut, Jan, 1159
Rundell, William K., 1383
Russo, Raffaele, 951
Rutland-Brown, Wesley, 1271
Ryb, Gabriel E., 1000

Sacco, William J., 316
Sack, Daniel I., 531
Sadovnikoff, Nicholas, E127
Safioleas, Mihalis, 388
Saito, Rikizo, 775
Saitoh, Daizoh, 1093
Sakaki, Seiki, E85
Sakamoto, Toshihisa, 1245
Sakran, Joseph, 550
Salim, Ali, 1, 1010, 1215, 1338
Salinas, Jose, 291, 512
Salkever, David S., S54
Samuelson, Andrew L., 432
Sánchez, Nicolás G., 929
Sanchez, Rafael, 448
Sanford, Arthur P., 814, 1099
Sann, Sary, 247
Santora, Thomas A., 113
Sarani, Babak, 637
Sartorelli, Kennith H., 1167
Sata, Takeyoshi, 770
Sattin, Richard W., 1271
Savitt, Julie, 1187
Saxe, Jonathan M., 1383
Scaife, Eric R., 608
Scalea, Thomas M., 339, 538, 615, 620, 1353
Scarborough, John E., 307
Schade, F. Ulrich, 740
Schaechter, J., S2, S20
Schapiro, Robert, 365
Scharfstein, Daniel O., S54
Schemitsch, Emil H., 641
Scherer, L. R. Tres III, 608
Scherer, Michael R., 1079
Schildhauer, Thomas A., E95
Schinco, Miren A., 1308
Schinkel, Christian, 83
Schipper, Inger B., 258, E76
Schmeling, Gregory J., 1395
Schmidt, Andrew H., 450
Schmidt, Ulrich, 630
Schoen, Matthias, 788
Schreyer, Andreas G., E69
Schultz, Caleb R., 1143
Schuster, Lynn, 747
Schuster, Rob, E34, 747
Schwab, C. William, 9, 221, 637
Scott, Melanie J., 733
Seah, Peng W., 245
Seamon, Mark J., 113
Seaver, Christopher, 13
Sebesta, James, 805
Seki, Tadahiko, 700
Selby, John H., 268
Selznick, Hugh S., E95
Severyn, Donald A., 573
Sferopoulos, Nikolaos K., E121
Shackford, Steven R., 764
Shafi, Shahid, 97, 312, 1127, 1138, 1263, 1364
Shah, Rajiv R., 544
Shaikh, Muhammad R., 435
Shandro, Jamie R., 142
Shankowsky, Heather A., 164
Shanmuganathan, Kathirkamanathan, 538, 615
Shapiro, Michael B., 703, 945
Sharma, Himanshu, 202
Sharpe, Michelle, 307
Shatz, David, 13
Sher-Lurie, Neer, 1169
Shiao, Chih-Wen, 1283
Shimazaki, Shuji, E85, 1093
Shindo, Masateru, 884
Shinya, Noriko, 783
Shipman, Kristin, 1263
Shoemaker, William C., 1032
Shou, Jian, 344, 519, 525, 987
Shukla, Pratik R., 979
Shultz, Barbara L., 1143
Sifri, Ziad C., 596
Silberzweig, James E., 1193
Simanski, Christian, 1391
Simon, Ronald, 1348
Simpkins, Cuthbert O., 565
Sing, Ronald, 709
Sise, C. Beth, 531
Sise, Michael J., 300, 531
Skaga, Nils O., 972
Slim, Michel, 172
Smally, Alan J., 955
Smith, Judy S., 358
Smith, Justin S., 75
Smith, Wade R., 90, 454, 1324
Snyder, Brad, 565
Soma, Kazui, 884
Sonanis, Sanjay V., 435
Sonnad, Seema, 637
Sontich, John K., 1279
Soulos, Pamela, S7
Søvik, Signe, 972
Spain, David A., 142, 608
Spalding, Aaron, 26
Spaniolas, Konstantinos, 13, 285
Spanjersberg, Willem R., 258, E76
Spencer, N., E105
Sperry, Jason L., 487
Spine, David A., 246
Spinella, Philip C., 805
Springborg, Jacob Bertram, E59
Stahel, Philip F., 454
Stamatakos, Mihalis, 388
Stannard, James P., 450
Stansbury, Lynn G., 940
Stansfield, William Elliott, E116
Starr, Adam, 97
Starr, Joanne P., E100
Statter, Mindy B., E100
Staudenmayer, Kristan L., 1364
Stawicki, Stanislaw P., 979
Steen, Petter A., 972
Stehly, Christy, 979
Stein, Deborah M., 538, 620
Steinhausen, Eva, 1391
Stelfox, Henry Thomas, 630
Stevens, Susanna R., 1120
Stewart, David, 747
Steyerberg, Ewout W., 258
Stiefel, Michael F., 1155
Stone, Melvin E. Jr., 1348
Stouffer, Chad, 591
Strain, John D., 432
Strauss, Ulf, 788
Streib, Erik, 709
Stylianos, Steven, S96
Su, Chen-Yao, 655
Suber, Freeman, 819
Sugrue, Michael, 453, 1193
Suk, Michael, 103
Sullivan, Thomas, 172
Sullivent, Ernest E., 1271
Sutherland, Ann M., 1374
Suzuki, Takashi, 884
Swan, Kenneth G., 248
Swanson, Joseph M., 1329
Swanson, Sophia M., 531
Swanson, Todd, 164
Swiontkowski, Marc F., 641, 855
Syed, Amjad, 1087
Szczęsny, Grzegorz, 849

Tabbara, Malek, 285
Tadros, Ayman M. A., 889
Tanaka, Shigenori, 938
Tarnoff, Michael, 370
Tataria, Monika, 608
Tchórzewski, Henryk, 179
Tee, Lee Y., 147
Teixeira, Pedro G. R., 1338
ten Duis, Hendrik-Jan, 670
Tepas, J. J. III, S1, 1308

Tescher, Ann N., 1120
Theopold, Christoph, 1074
Thomas, Ajith J., 192
Thompson, Marsha A., 544
Tiba, M. Hakam, 276
Tiemann, Andreas H., 394
Tilford, John M., S113
Tillo, Omar, 1185
Timberlake, Gregory, 147
Tinkoff, Glen H., 121
Tisherman, Samuel A., 454
Tjardes, Thorsten, 1391
Tobias, Steven, 26
Todd, S. Rob, 268
Toevs, Christine, 147
Tominaga, Yasuhiro, 1296
Tomori, Toshiki, 775
Torchia, Micheal E., 920
Tormo, Carolina, 751
Tornetta, Paul III, 641
Torres, Andres, 573
Trachte, Aaron L., E5
Trankiem, Christine, 1215
Tredget, Edward E., 164
Triba, Mohamed, 379
Trieu, Lisa, S10
Tsai, Feng-Chun, E124
Tsai, Hui-Hong, 933
Tsai, Ming-Che, 70
Tsai, Shi-Hung, 1423
Tsai, Shih-Hung, 719
Tsembeli, Anastasia, 388
Tseng, Chi-Nan, E124
Tseng, Sheng-Hong, 417
Tseng, Yuan-Yun, 827
Tu, Yuan-Kun, E44
Turina, Matthias, 733
Türk, Tamer, E19
Turkbey, Baris, 721
Turkoz, Rıza, E7
Turpen, Ryan M., 733
Tzeng, Yun-Hsuan, 655
Tzioupis, Christopher, 875
Tzurbakis, Mathaios, 388

Uchida, Kotaro, 603
Uchino, Masataka, 108, 884
Ueyama, Masashi, 1093
Uguz, Emrah, E7
Uhlhorn, Susan B., S20
Upperman, Jeffrey S., S87
Uso', Teresa Diago, 217

Valentino, Daniel J., 581
van der Jagt, Michel F. P., 1171
VanderKolk, Wayne, 591
van der Naalt, Joukje, 670
van der Sluis, Corry K., 670
van der Stappen, William A. H., 1171
Vanek, Sue L., 487
van Griensven, Martijn, 263
van Hooft, Martijn A. A., 429
van Vugt, Arie B., 757
van Vugt, Raoul, 757
Varcelotti, Jorge R., 1230
Vargas, Jorge, 914
Varghese, M., E105
Varitimidis, Sokratis, E111
Vaslef, Steven, 307, 709
Vedder, Nicholas B., E95
Velky, Tom, 300
Velmahos, George C., 285, 630
Veltman, Yevgeniy, 13
Venbrux, Anthony, 687
Vick, Kenneth, 147
Vick, Laura, 147
Villagrán, María J., 751
Visconti, Valeria, 951
Vitale, C. M., S4
Vodovotz, Yoram, 573
Vogt, Dennis, 1061
Vollmar, Brigitte, 788
Von Bahten, Luís Carlos, 684
von Koch, Cornelia, 75
Vora, Nirav A., 192
Vosburgh, Kirby, 285

Waddell, Robert K. II, 316
Wade, Amber L., 836
Wade, Charles E., 291, 805
Wahlquist, Marc, 1418
Waitman, Lemuel R., 503
Wald, Marlena M., 1271
Wall, Matthew J. Jr, 1173
Wallace, David, 696
Walston, E. M., S5
Waltensdorfer, Andreas, E81
Walter, Robert J., 581
Walusimbi, Mbaga S., 1383
Wan, Song, 228
Wang, Jing Jing, 512
Wang, John C. L., 987
Wang, Qi, 798
Wang, Weidong, 1249
Ward, Kevin R., 276, 662
Waring, Sasha, 637
Waswick, William, 128
Watson, Gregory A., 44
Waxman, Kenneth, E34, 747
Waydhas, Christian, 740
Weatherspoon, Kimberly, 550
Wedderburn, Raymond V., 443
Weiguo, Liu, 1014
Weir, Sharada, S54
Wells, Gareth E., 875
Wells, Joseph J., 451
Wera, Glenn D., 1279
West, Michael A., 703, 945
Whitehurst, Y. R., S4
Wiebe, Douglas J., 9
Wiley, Dorion E., 581
Wilfond, Benjamin, S146
Wilkinson, James D., 1006
Williamson, Owen D., 1374
Willis, Michelle, 339
Wilson, Neil, 202
Wilson, Stuart W., 1074
Winkler, Michael, 263
Winners, Jerry, 581
Winship, Victoria C., 331
Winslow, Robert M., 1234
Winston, Flaura K., S29
Wisbach, Gordon, 26
Wo, Charles C. J., 1032
Wolf, Steven E., 814
Wolfe, Rory, 1374
Wong, Chi-Yin, E37
Wood, G. Christopher, 1329
Woodman, Ryan, 26
Woods, Randy J., 1383
Wright, Jonathan L., 1165
Wright, N., S5
Wright, Timothy M., 103
Wu, Chi-Chuan, 859, 1283
Wu, Chin-Pyng, 719
Wu, James T., 1173
Wusi, Qiu, 1014
Wynn, Tor, 128

Xiao, Yan, 676
Xiaofeng, Yang, 1014
Xie, Dawei, S29
Xu, Gong, 402
Xuesheng, Zheng, 1014

Yamashita, Toshihiko, 938
Yanagawa, Youichi, 1245
Yang, Shan-Wei, E37
Yano, Hiroki, E55
Yavuz, Senol, E19
Yeluri, Sashidhar, E17
Yi, Hyeong-Joong, E40
Yi, Siyan, 247
Yildirim, Caglar, E13
Yokoyama, Kazuhiko, 108
Yoon, Young Won, E73
York, Gregory B., 538, 1113
Youdas, James W., 1120
Young, Jeffrey S., 556
Young, Mark A., 1234
Yowler, Charles J., 544
Yu, Shang-Won, 1283
Yücel, Nedim, 1391
Yukioka, Tetsuo, 603

Zaghloul, Kareem A., 1155
Zaleska, Marzanna, 849
Zellman, Vladimir, 1032
Zemon, Harry, 687
Zenker, Sven, 573
Zhang, Xia, 1249
Zilkens, Christoph, 83
Zink, Michael, E81
Ziran, Bruce H., 90, 205, 211, 1324
Zlowodzki, Michael, 1061
Zupan, Blaz, 452
Zwischenberger, Joseph B., 1380